CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close			See Eng. News-Record
June	5	Euclid, O.	May 18
June	5	North Tonawanda, N. Y.	May 18
June	5	Bristow, Okla.	May 25
June	5	Lewistown, N. Y.	June 1
June	6	South Euclid, O.	June 1
June	6	Ely, Minn.	May 11
June	6	Columbus, O.	May 25
June	8	Pompton Lakes, N. J.	May 25
June	8	Maywood, Ill. Adv. June 1.	June 1
June	9	Sauk Center, Minn.	May 25
June	12	Sioux Falls, S. D.	May 11
June	12	Mendham, N. J. Adv. May 25 and June 1.	May 25
June	12	Wallington, N. J. Adv. June 1.	June 1
June	13	Toronto, Ont.	June 1
June	13	Kadoka, S. D.	June 1
June	14	Philip, S. D.	June 1
June	15	St. Lawrence, S. D.	June 1
June	15	Covington, Va. Adv. May 25 and June 1.	May 25
June	16	Trenton, N. J. Adv. June 1.	June 1
June	22	Hendersonville, N. C. Adv. June 1.	June 1

SEWERS

June	5	Hackensack, N. J.	May 11
June	5	Cleveland Heights (Warrensville P. O.), O.	June 1
June	5	Euclid, O.	May 18
June	5	Bristow, Okla.	May 25
June	6	Huntingburg, Ind.	May 11
June	6	Lexington, N. C.	May 18
June	6	Wilson, N. Y. Adv. May 18 to June 1.	May 18
June	6	Westbrook, Minn.	May 18
June	6	Oklahoma City, Okla. Adv. May 25 and June 1.	May 25
June	6	De Forest, Wis.	May 25
June	6	Hagerstown, Md. Adv. June 1.	June 1
June	7	Wash., D. C.	May 18
June	8	Plymouth, Wis.	June 1
June	10	Paducah, Ky.	May 25
June	10	St. Croix Falls, Wis.	June 1
June	14	Scottsville, N. Y. Adv. May 25 and June 1.	May 25
June	14	Glens Falls, N. Y. Adv. May 25 and June 1.	June 1
June	16	Milwaukee, Wis.	June 1
June	19	Blasdell, N. Y.	May 25
June	21	Wash., D. C. Adv. June 1.	June 1
June	26	Portland, Me. Adv. June 1.	June 1
July	1	Hamburg, N. Y.	May 18

BRIDGES

June	6	Wahpeton, N. D.	May 25
June	6	Baraboo, Wis.	May 25
June	7	Baltimore, Md.	May 25
June	7	Weston, W. Va.	May 25
June	9	Columbus, Tex.	June 1
June	10	St. Maries, Idaho Adv. May 25 and June 1.	May 25
June	12	Woodstown, N. J. Adv. May 18 to June 1.	May 18
June	12	Nebraska	May 25
June	13	Miranda, Cal.	May 25
June	14	New Haven, Conn.	May 18
June	14	Corning, Ia.	May 18
June	14	Clearwater, Fla.	May 25
June	15	Denver, Col. Adv. May 25 and June 1.	May 25
June	15	Kent, Conn. Adv. June 1.	June 1
June	21	Schenectady, N. Y. Adv. May 25 and June 1.	May 25
June	23	Grand Haven, Mich. Adv. June 1.	June 1
July	5	Sturgis, S. D.	May 18
Oct.	31	Sydney, Australia	Jan. 12

DAMS

June	8	Greensboro, N. C. Adv. May 25 and June 1.	May 25
June	8	Stamford, Conn. Adv. May 25 and June 1.	June 1

EXCAVATION AND DREDGING

June	5	Marshall, Minn.	May 25
June	6	Fairmont, Minn.	May 25
June	8	Boonville, Ind. Adv. May 18 to June 1.	May 18
June	9	Welland, Ont.	May 25
June	15	Eudora, Ark.	May 18
June	15	New Ulm, Minn.	May 25

STREETS AND ROADS

June	5	California	May 18
June	5	Susquehanna, Pa. Adv. May 18 to June 1.	May 18
June	5	Dallas, Tex.	May 18
June	5	Scotia, N. Y. Adv. May 25 and June 1.	May 18
June	5	Benld, Ill.	May 25
June	5	Fresno, Cal.	May 25
June	5	Minneapolis, Minn.	May 25
June	5	Jasper, Fla.	May 25
June	5	Sterling, Ill.	June 1
June	5	Merced, Cal.	June 1
June	5	Hollister, Cal.	June 1
June	5	Moorhead, Minn.	June 1
June	5	Niagara Falls, Ont.	June 1
June	5	Cleveland Heights (Warrensville P. O.), O.	June 1
June	5	Atlanta, Ga.	June 1
June	6	Elkhorn, Wis.	June 1
June	6	Columbus, O.	June 1
June	6	Little Falls, Minn.	June 1
June	6	Wisconsin	June 1
June	6	Sioux City, Ia.	June 1
June	6	Trenton, N. J.	May 18
June	6	Alabama	May 18
June	6	Rochester, N. Y.	May 11
June	6	West Virginia	May 18
June	6	Maryland Adv. May 25 and June 1.	May 25
June	6	Michigan	May 25
June	6	Hillsdale, N. J.	May 25
June	6	Waterloo, Ia.	May 25
June	6	Grosse Pointe Park (Detroit P. O.), Mich.	May 25
June	6	Bay Springs, Miss.	May 25
June	6	Trenton, N. J.	May 25
June	6	Gainesville, Fla.	May 25
June	7	Ft. Myers, Fla.	Apr. 27
June	7	Belvidere, N. J. Adv. May 18 to June 1.	May 18
June	7	Titusville, Fla.	May 25
June	7	Brookfield, Ill.	June 1
June	7	Columbus, O.	June 1
June	7	Michigan	June 1
June	7	West Union, Ia.	June 1
June	7	Lincoln, Ill.	June 1
June	7	Cherokee, Ia.	June 1
Jnue	7	Eldora, Ia.	June 1
June	7	St. George, N. Y.	June 1
June	7	New York, N. Y.	June 1
June	7	Brooklyn, N. Y.	June 1
June	8	Brooklyn, N. Y.	June 1
June	8	McKinney, Tex.	June 1
June	8	Columbus Junction, Ia.	June 1
June	8	Oskaloosa, Ia.	June 1
June	8	South Dakota	June 1
June	8	Michigan	May 25
June	8	Buckhannon, W. Va.	May 25
June	8	Cadiz, O.	May 25
June	9	Tennessee	May 18
June	9	Ebensburg, Pa.	May 25
June	9	Lesueur Center, Minn.	May 25
June	9	Tennessee	June 1
June	12	Easton, Md. Adv. May 25 and June 1.	May 25
June	12	Berkeley Springs, W. Va.	May 11
June	12	Nebraska	May 25
June	12	California	May 25
June	12	Camden, N. J. Adv. June 1.	June 1
June	12	Walkerton, Ont.	June 1
June	12	Keokuk, Ia.	June 1
June	13	Maryland Adv. June 1.	June 1
June	13	Reidsville, N. C.	May 25
June	13	New York Adv. May 25 and June 1.	May 25
June	13	Monroe, Wis.	June 1
June	14	Florida	June 1
June	14	Corning, Ia.	May 18
June	14	Clearwater, Fla.	May 25
June	14	Worthington, Minn.	May 25
June	14	South Carolina	June 1
June	15	Galesburg, Ill.	May 25
June	19	St. Paul, Minn.	June 1
June	20	Clarksville, Ga.	May 25
June	20	Trenton, N. J. Adv. June 1.	June 1
June	21	Morristown, N. J. Adv. June 1.	June 1
June	21	Red Bank, N. J. Adv. June 1.	June 1
June	21	Avon, N. J. Adv. May 25 and June 1.	May 25
June	21	Long Branch, N. J. Adv. June 1.	June 1
June	22	Marshalltown, Ia.	June 1
June	24	Fairmont, W. Va.	May 25
June	26	Riverside, Cal.	June 1

INDUSTRIAL WORK

June	5	Wash., D. C.	June 1
June	5	Milwaukee, Wis.	June 1
June	5	Wash., D. C.	May 25
June	5	New York, N. Y.	May 25
June	7	Marcy, N. Y.	May 25

BUILDINGS

June	3	McKees Rocks, Pa.	June 1
June	5	Maquoketa, Ia.	June 1
June	5	Clayton, O.	May 11
June	5	Napa, Cal.	May 25
June	5	Sparta, Wis.	May 25
June	5	Maspeth (Flushing P. O.), N. Y.	May 25
June	6	Mazomanie, Wis.	May 25
June	7	Toronto, Ont.	June 1
June	8	Minneapolis, Minn.	May 11
June	8	Greensboro, N. C.	May 18
June	8	Cambridge, O.	May 25
June	8	Phila., Pa.	June 1
June	8	New York, N. Y.	June 1
June	8	Rocky River, O.	June 1
June	9	Julietta (Indianapolis), Ind.	May 25
June	9	Springfield, O.	Mya 25
June	10	Wickliffe, O.	May 25
June	10	New York, N. Y.	June 1
June	12	Batavia, N. Y.	May 25
June	13	Charlton, Ia.	May 25
June	14	Lincoln, Neb.	June 1
June	15	Miami, Fla.	May 25
June	15	Ashland, Ky.	May 25
June	15	Nazareth Pa.	May 25
June	15	Manitowoc, Wis.	June 1
June	16	Decatur, Ind.	May 25
June	16	Columbus, O.	June 1
June	19	Oak Hill, O.	May 25
June	19	Leechburg, Pa.	June 1
June	19	Thomasville, N. Y.	June 1
June	20	Grandview Heights (Columbus P. O.), O.	June 1
June	23	Riverhead, N. Y.	May 25
June	24	Winchester, Va.	May 18
July	1	Perry, N. Y.	May 4

FEDERAL GOVERNMENT WORK

June	5	Post Office — Front Royal, Va.	May 18
June	6	Canals, etc.—Great Falls, Mont.	Apr. 27
June	6	Car Shed, etc. — New York, N. Y.	May 25
June	7	Machine Shop—Pearl Harbor, H. T.	Apr. 13
June	7	Boathouse, etc.—Point Judith, R. I.	May 18
June	7	Tank—Pensacola, Fla.	May 25
June	7	Radio Quarters—Mare Island, Cal.	May 25
June	7	Roads and Walks—Norfolk, Va.	June 1
June	7	Metal Roof—Boston, Mass. Adv. June 1.	June 1
June	9	Barracks, etc. — Boston, Mass.	May 18
June	12	Underpinning Storehouse — Phila., Pa. Adv. June 1.	June 1
June	12	Steel Trusses, etc.—New York, N. Y. Adv. June 1.	June 1
June	13	Ft. Myer, Va. Adv. June 1.	June 1
June	14	Rosebank, N. Y.	June 1
June	14	Radio Quarters, etc.—San Juan, P. R.	May 25
June	14	Water Front Development—Pensacola, Fla.	June 1
June	14	Bulkhead Extension — San Diego, Cal	June 1
June	14	Wells—Pensacola, Fla.	June 1
June	14	Dolphins, etc. — San Diego, Cal.	June 1
June	14	Hangars, etc. — San Diego, Cal.	June 1
June	14	Heating System — Sayville, N. Y.	June 1
June	15	Light, Power and Telephone Systems—Prescott, Ariz.	June 1
June	19	Dam—Chilo, O. Adv. May 25 and June 1.	May 25
June	19	Dam—Vanceburg, Ky. Adv. May 25 and June 1.	May 25
June	20	Disposal Plant — Tucson, Ariz.	June 1
June	22	Stone—Bar Harbor, Me. Adv. May 25 and June 1.	May 25
June	22	Boiler Plant, etc.—Tuskegee, Ala.	June 1

Bids Close		See Eng. News-Record
June 23	Steel Hangars—Ft. Benjamin Harrison, Ind. .....June Adv. June 1.	1
June 26	Steel Hulls — Nashville, Tenn. .....May Adv. May 25 and June 1.	25
June 27	School—Wash., D. C.....June Adv. June 1.	1
June 27	Hospital—St. Louis, Mo...May Adv. May 25 and June 1.	25
June 28	Drainage—Malta, Mont....May	18

MISCELLANEOUS

June 5	Transmission Line, etc. — Middlesex, N. C. .....June	1
June 5	Circular Pipe—Manchester, N. H. .....May	25
June 5	Electric Distribution System —Hillsboro, N. D. .....May	25
June 5	Dumping Scows—New York, N. Y. .....May	18
June 5	Paving Materials—St. Paul, Minn. .....June	1
June 5	Lighting System—South Norfolk (Norfolk P. O.), Va..June	1
June 6	Tainter Gate, etc.—Baldwinsville, N. Y. .....May	11
June 7	Electric Distribution and Lighting System—Ada, Minn...June	1
June 7	Road Roller — Appleton, Wis. .....June	1
June 7	Dumping Platform and Ramp —New York, N. Y. .....June	1
June 9	Elimination of Grade Crossings—Buffalo, N. Y. .....June	1
June 12	Heating System — Altoona, Pa. .....June	1
June 14	Elevation of Grade Crossings —St. Paul, Minn. .....June	1
June 23	Marginal Wharf—Camden, N. J. .....June Adv. June 1.	1
June 29	Dock, etc.—Troy, N. Y....June Adv. June 1.	1
July 19	Turbine and Accessories — New Orleans, La. .....May Adv. May 18 to June 1.	18

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Dunkirk — Defeated $1,400,000 bonds for new gravity water system in Arkwight Hills, south of here. Noted May 4.

W. Va., Rivesville—Plans installing waterworks, 40,000 gal. capacity, centrifugal pumps, motors, and constructing 50,000 gal. wood reservoir. $40,000. B. Kress, Elkins, engr.

N. C., Asheville — Plans to construct 1,000,000,000 gal. impounding basin. C. E. Woddell, Asheville, engr.

Fla., West Palm Beach—June 6, to vote on $125,000 bonds to equip, maintain, purchase and install high pressure water system. K. Riddle, city mgr.

O., Salem—Soon takes bids rein.-con. reservoir, tank house, pipe lines, etc. $500,000. M. Knowles, Jones Law Bldg., Pittsburgh, Pa., engr. Noted March 30.

Kan., La Crosse—Voted $40,000 bonds for 200 hp. engine, new wells and extensions, also improvements to pumping plant. W. B. Rollins & Co., 209 Railway Exch. Bldg., Kansas City, Mo., engrs.

Wyo., Basin—Voted $60,000 bonds to extend and improve waterworks. R. B. West, mayor. Noted May 4.

Wyo., Riverton—Voted $25,000 bonds and soon takes bids 200,000 gal. steel tank and tower, also 4-8 in. mains. W. P. Webber, city engr.

Wash., Monroe—Soon takes bids waterworks system, incl. 1,000,000 gal. concrete reservoir, 6 mi. 8-18 in. and 32,500 ft. 4-10 in. wood stave pipe, 425 cu.yd. concrete, 14,000 cu.yd. excav. $84,000. Miller Eng. Co., Burke Bldg., Seattle, engrs. Noted March 9.

Cal., Dinuba—See "Miscellaneous."

Ont., Forest—Having plans prepared c.i. mains, pumphouse, wells, pumps, reservoir, etc., incl. 10,000 ft. 4, 6 and 8 in. c.i. pipe. $30,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., London—Plans extending water supply system, incl., drilling wells, new mains and pumps. Prices wanted on 1 deep well pump, 1,000,000 Imp. gal. capacity. $50,000. E. V. Buchanan, Utilities Bldg., engr.

Ont., Oakville—Plans installing auxiliary gasoline engine and pump. $32,000. Chipman & Power, Mail Bldg., Toronto, engrs.

Ont., Thorold—Plans 3 mi. 24 in. water mains. F. N. Rutherford, Queen St., St. Catharine, engr.

Ont., Wiarton—Plans election to vote on $20,000 bonds to either completely rebuild existing pump or buy new one, rebuild present motor, install Venturi meter and replace defective mains. F. W. Thorold, town engr.

BIDS DESIRED

N. Y., Lewistown—June 5, by Bd. Trustees, Town Hall, 11 ton more or less 4 in. c.i. pipe, 2 hydrants, 1 gate valve and 1 valve box. C. Fieldus, clk.

N. J., Trenton—June 16, installing 1 Ames Una-flow engine, 1 Root rotary pump, electric generator, condenser and atmospheric check value. L. D. Hirsch, city clk.; adv. this issue.

N. J., Wallington—June 12, by Mayor and Boro Council, steel stand pipe with concrete foundation, etc. A. L. Pettersen, Post Office Bldg., Passaic, engr.; adv. this issue.

N. C., Hendersonville—June 22, (change of date), by Bd. Water Comrs. for waterworks improvements. G. C. White Co., Durham, engrs.; adv. this issue. Noted May 25.

O., Cleveland Heights (Warrensville, P. O.)—See "Sewers."

O., Columbus—See "Streets and Roads."

O., South Euclid—June 6, 10,925 ft. 4-8 in. c.i. mains in Felton, Elliot and Green Rds. $40,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Ill., Maywood—June 8, drilling artesian well. F. Meyer, supt. Water Dept.; adv. this issue.

S. D., Kadoka—June 13, by Town Clerk, waterworks system. Dakota Eng. Co., 309—313 Western Natl. Bank Bldg., Mitchell, engrs.

S. D., Philip—June 14, by City Auditor, 9,100 ft. water mains and 13,000 ft. sewers. Dakota Eng. Co., 309-313 Western Natl. Bank Bldg., Mitchell, engrs.

S. D., St. Lawrence—June 15, by Town Clerk, 50,000 gal. concrete reservoir, and 150,000 gal. centrifugal pump and motor. Dakota Eng. Co., 309-313 Western Natl. Bank Bldg., Mitchell, engrs.

Ont., Toronto—June 13, by C. A. Maguire, mayor, one 4,000,000 Imp. gal. centrifugal pump. R. C. Harris, city engr.

BIDS RECEIVED

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, opened bids May 22, mains in Greenpoint and Kingsland Aves., here, from J. A. Gregory, 351 East 124th St., New York, $36,756; Grippo Contg. Co., $37,187; N. DeStefano, $37,262.

O., Shaker Heights (Cleveland, P. O.)—See "Sewers."

CONTRACTS AWARDED

Conn., New Britain—Bd. Water Comrs., concrete caisson well, pump station, etc., to Eastern Eng. & Constr. Co., 945 Main St., Bridgeport. $49,454. Noted May 4.

N. Y., Land Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Hancock St., 5th and 7th Aves., etc., here, to J. A. Gregory, 351 East 124th St., New York, $8,831. Noted May 4.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Gun Hill Rd., Benedict, Concinental, Furman, Hobart and Morris Park Aves., etc., to P. Mellis, 536 North High St., Mt. Vernon, $12,075. Noted May 4.

Pa., Ebensburg — Earth impounding reservoir, to T. Connor & Sons, Greensburg, $26,512. Noted March 23.

Va., Norfolk—Laying 4,150 ft. 30 ft. pipe across Elizabeth River from 38th St. to Craney Island, to Sanford & Brooks, Seaboard Bank Bldg., Norfolk, $14.50 per lin.ft. Noted May 4.

South Carolina—State Hy. Comn., at office Jasper Co. Highway Comn., Ridgeland, constructing bridges on Yemassee-Ridgeland Rd., Jasper Co., to Beasley Contg. Co., 135 Barnard St., Savannah, Ga., $25,021. Noted April 13.

O., Cincinnati—Hamilton Co., two 47 ft. concrete span bridge, 84 ft. wide, over west fork of Mill Creek on Wyoming Ave., to Cleary, Haily & Barry, Lyric Theatre Bldg., $29,242.

O., Columbus—See "Streets and Roads."

O., Euclid—For c.i. mains in South Lake Shore Blvd. and Parkview Dr., to A. J. Galvin, Lennox Bldg., Cleveland, $5,382; Green Oaks Rd., Grand Blvd., Glenridge, Hillcrest, Concordia and Champ Drs., to B. H. Whittaker, Huron Sq. Bldg., Cleveland, $25,841. Noted May 25.

Mich., Monroe—Filtered water reservoir, 3,000,000 gal. capacity, rein.-con., and pipe line extensions, to Kitchell Constr. Co., Kalamazoo, $500,000.

Minn., St. Cloud—Water main extensions, Impvt. 476, 1,806 lin.ft. 6 in. and 7,300 lin.ft. 8 in. Class C c.i. pipe, etc., to E. T. Webster, 437 Beacon Ave., St. Paul. $18,295. Noted May 4.

Minn., St. Paul—H. W. Austin, city purch. agt., 41,232 lb. structural steel to St. Paul Fdry. Co., Como Ave. and Mackubin Sts., $1,441; 137,180 lb. iron castings, to Valley Iron Wks., 85 East Water St., $4,990; 117,860 lb. misc. steel and iron, to St. Paul Structural Steel Co., York and Agate Sts., $4,005. Noted May 4

Minn., St. Paul.—Water Dept., 22.67 ton steel reinforcing rods, to Speers-Jevne, 832 Builders Exchange Bldg., Minneapolis, $1,150; 343 lin.ft. 4 in. and 1,181 lin.ft. 3 in. galvanized iron pipe, to Farwell, Ozmun, Kirk & Co., 2nd and Jackson Sts., $208 and $489 respectively. Noted May 4.

Minn., Wabasso — See "Streets and Roads."

Tex., Jacksonville—Waterworks improvements, as follows, earth dam, control works and appurtenances, to F. P. McElwrath, Corsicana, $40,363; pump and filter plant buildings, basins, etc., to R. C. Newcomb, Dallas, $29,994; c.i. pipe and fittings, to U. S. Cast Iron Pipe Co., Scollard Bldg., Dallas, $15,984; valves, hydrants, etc., to Darling Valve Co., Ft. Walnut St., Williamsport, Pa., $1,744; furnishing jointing materials, to Briggs Weaver Co., 307 North Market St., Dallas, $981; installation of piping, hydrants, valves, jointing materials, etc., to be done by day labor, c/o T. E. Acker, mayor, $4,500; pipe gallery, filter plant fittings and valves, to Morey & Morey, Dallas, $3,743; erecting fuel oil tanks to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $9,400. Will award contract later for electrically driven pumps and motors in place. Rejected bids for oil engine and pump in place. Noted April 20.

Wash., Montesano.—See "Streets and Roads."

Wash., Puyallup—Laying 10,000 ft. 12 in. steel pipe to J. Paine, Tacoma. $31,560.

Ont., Dunnville—W. Marshall, chn. Pub. Utilities Comn., general contract for filtration plant, to Canadian Eng. & Contg. Co., 72 James St. N., Hamilton, $23,000; pumps, to Turbine Equipment Co., 73 King St. W., Toronto; filters to Roberts Filter Co., Darby, N. J. Total $45,000. Noted April 13.

Ont., Ottawa — Bd. Control, one water meter testing scale, and seventy-five ¾ in. Buffalo meters, to General Supply Co. of Canada Ltd., 360 Sparks St.; twenty-five ¾ in., thirty 2 in., six 3 in., four 4 in., two 6 in. Trident water meters, to Neptune Meter Co., 1195 King St. W., Toronto; one 8 in. Empire compound meter, to Natl. Meter Co., 299 Bway., New York. Noted March 23.

Sewers

PROPOSED WORK

N. Y., Elmira—Will sell $200,000 bonds June 1 to improve and build new sewers. G. W. Jarchow, clk.

N. Y., Gouverneur—Bd. Village Trustees plans extending storm water and sanitary sewerage system. $25,000-$30,000. G. F. Dawley, pres.

O., Maple Heights—Takes bids in July sewerage system (segment block and some brick) and sewage treatment station. $300,000. C. W. Courtney, Leader-News Bldg., Cleveland, engr.

Cal., Hollister—Plans election to vote on bonds to construct septic tank. A. M. McCray, Hollister, engr.

Cal., Williams—Election soon to vote on bonds constructing sewerage system. C. F. Sloan, Santa Fe Bldg., San Francisco, consult. engr.

Que., Montreal—Plans laying 8,624 ft. 2 x 3 brick sewer in St. Joseph Blvd. from Henri Julien to Papineau Aves. $64,780. F. V. Dowd, asst. supt. Sewer Dept.

BIDS DESIRED

Me., Portland—June 26, by Comr. Pub. Wks., 2,250 ft. 24 and 30 in. vitr. pipe sewer in Forest Ave.; adv. this issue.

Sewers (Continuer)

N. Y., Glens Falls—June 14, by L. G. Boynton, city clk., extending sanitary and storm water sewers; adv. this issue. Noted May 18.

D. C., Wash.—June 21, by Washington Surburban Sanitary Comn., Evans Bldg., New York Ave., 6—20 in. sewers, Conts. 17-S and 31-S. R. B. Morse, Hyattsville, Md., ch. engr. of dist.; adv this issue.

Md., Hagerstown—June 6, at offices of Sewerage Comn., Police Headquarters Bldg., constructing sanitary sewers, etc. in various streets; adv. this issue.

O., Cleveland Heights (Warrensville P. O.)—June 5, 11,800 ft. 8-24 in. vitr. sewers and 6,840 ft. 8 in. c.i. water mains in Woodridge, Oxford and Quilliams Rds. F. A. Jease Eng. Co., Marshall Bldg., Cleveland, engrs.

Wis., St. Croix Falls—June 10, 22,238 lin.ft. sanitary sewers, 3,096 lin.ft. storm sewers, sewage treatment plant, outfall sewer, etc. $75,000. Toltz, King & Day, 1410 Pioneer Bldg., St. Paul, Minn., engrs.

BIDS RECEIVED

Va., Potomac—Opened bids May 18 sanitary sewers and appurtenances, incl. 30,000 cu.yd. earth excav., 41,100 lin.ft. 8-12 in. pipe sewers, seven hundred 8 x 6 in. Y branch house connections with stoppers, etc., from F. Manella, 1508 North Lang Ave., Pittsburgh, Pa., $66,000; Wingo & Deaner, Box 816, Richmond, $76,000; P. Agrios, Akron, O., $80,000. Noted May 4.

O., Cleveland—Opened bids May 18, sewers in East 142nd St., Benwood and Gay Aves., from Salem & George Bros., 237 Bradley Court, $27,942; Methyl Ave., from Carroccio & Gaudio, 14109 Benwood Ave., $4,750. W. McDowell & Son, 10309 Miles Ave., $4,789. Work involves 7,360 ft. 12-20 in. vitr. pipe. Noted May 11.

O., Shaker Heights (Cleveland, P. O.)—For (a) sewers, (b) water mains in (1) Norwood Rd.; (2) Sussex Rd., from Carroccio & Gaudio, 14109 Benwood Ave., Cleveland, (1a) $25,414; C. W. Jackson, 10714 Amor Ave., Cleveland, (1a) $27,537; Hadded-Mall Co., Schofield Bldg., Cleveland, (1b) $9,384, (2b) $2,091; Gantose Constr. Co., Columbia Bldg., Cleveland, (1b) $10,-350; A. Lanese Co., Sincere Bldg., Cleveland, (2a) $4,653, (2b) $2,242.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Kingsland Ave., to J. A. Gross, 8518 Fulton St., Woodhaven, $7,650; storm water sewer in Borden Ave., etc., to J. Gallo, 203 Division St., Brooklyn, $75,386. Noted May 18.

N. J., Clifton—Sanitary sewerage system, to F. B. Beasman, Fidelity Bldg., Baltimore, Md. Noted May 11.

N. J., Paterson—Passaic Valley Sewerage Comrs., 128 Market St., Newark, sewer connections in 2nd, 3rd and 20th Aves., East 33rd and Market Sts., here, to Culp Co., Inc., 412 East 37th St., $35,714. Noted April 27.

Va., Richmond—Sewers in Grace St. from 9th to 1st Sts., incl. 1,660 lin.ft. 30-36 in. segment block, and 768 lin.ft. 15-24 in. terra cotta pipe, to Wingo & Deaner, P. O. Box 816, $36,271; Main St. from 8th to 13th Sts., 1,586 lin.ft. 30-42 in. segment block, to Kelly & McLane, 800 West Cary St., $40,-452; 9th St. from Main to Grace Sts. and Franklin St. from 7th to 9th Sts., 1,362 lin. ft. 24-30 in. segment, to A. J. Boyle, 102 Wetmore Ave., Baltimore, Md., $24,544. Noted April 27.

N. C., Durham—See "Streets and Roads."

O., Cleveland—Sewers in Breakwater and Washington Aves., Dixon and Cress Rds., to E. Cesa & Son, 2462 Baldwin Rd., $12,273; Grovewood Ave., to W. Burkhardt, 3905 West 20th St., $2,563; East 128th St. and Lake Shore Blvd., to Iafornaro Constr. Co., 3218 Murray Hill Rd., $39,493. Work involves 9,549 ft. 12-24 in. vitr. pipe. Noted May 11.

O., Cleveland—Sewers in East 82nd St., to S. Amato, 343 The Arcade, Cleveland, $40,500. Noted May 18.

O., Euclid—Sewers in South Lake Shore Blvd. and Parkview Dr., to A. J. Galvin, Lennox Bldg., Cleveland, $6,866; Green Oak Rd., Grand Blvd., Glenridge, Hillcrest, Concordia and Champ Drs., to B. H. Whittaker, Huron Sq. Bldg., Cleveland, $40,977. Noted May 25.

O., Shaker Heights (Cleveland, P. O.)—Sewers in Milverton Rd., to C. W. Jackson, 10,714 Amor Ave., Cleveland, $28,816; Normandy Rd., to S. J. Kassouff, 3182 West 25th St., Cleveland, $9,956. Noted May 25.

Minn., Wabasso—Sewerage system and extension to water mains, to Christenson Bros., Ashby, sewer $12,545, septic tank $4,120, water mains, $7,035. Noted May 4.

Tex., Robstown—For 11,000 ft. 8 x 10 in. vitr. clay pipe, pump similar to No. 3 Hill, to Kroeger & Hayner, Moore Bldg., San Antonio, $25,728.

Cal., Dinuba—Constructing sewage disposal plant, to Federal Constr. Co., Call Bldg., San Francisco, $134,900. Former contract rescinded. Noted May 4.

Ont., Crystal Beach—Activated sludge sludge plant, to F. F. Fry, 43 Scott St., Toronto; concrete pipe to J. E. Russell Co. Ltd., Harbor Bldg., Toronto. Total $57,000. General contractor wants prices on reinforcing steel, c.i. pipe, valves, sluice gates, etc. Noted April 27.

Ont., Midland—Will build 1 mi. concrete, tile or brick trunk sewer in Williams St., by day labor. $60,000. James Proctor & Refern, Ltd., 36 Toronto St., Toronto, engrs.

Waste Disposal

PROPOSED WORK

N. Y., Buffalo—C. O. Bartlett & Snow Co., French and Winter Sts., Cleveland, O., plans large garbage disposal plant, here. $500,000. Engineer not announced.

Bridges

PROPOSED WORK

N. Y., Jamestown—Erie R.R., 50 Church New York, soon takes bids for 4 track steel girder bridge with concrete encasement, on Main St., outside tracks to be supported on concrete piers and slabs, space between these tracks to be filled with earth to support two tracks between, incl. sidewalks, 3 stores west of Main St. under bridge, and 2 minor concrete trestles both east and west of bridge, and possibly a raceway $983,000. C. H. Splitsone, ch. engr.

Fla., West Palm Beach—Palm Beach Co. to vote on $30,000 bonds June 15 constructing bridge over Scovies Pocket and bridge over Jupiter Narrows. R. P. Goodman, West Palm Beach, engr.

Minn., St. Peter—Chicago, St. Paul, Minneapolis & Omaha R.R., 275 East 4th St., St. Paul, preparing plans repairing steel bridge over Minnesota River, here. $50,000. H. E. Barlow, ch. engr.

Neb., Clay Center—Clay Co. plans to construct Springranch Bridge, 20 x 45 ft. concrete arch, concrete abutments, 44 wood piles, earth fill, in Springranch; Hoydar Bridge, 20 x 32 ft. I beam, steel pile abutments, 6 in. concrete deck, in Fairfield; Hill Bridge, 18 x 40 ft. concrete arch, 48 wood piles, concrete abutments, earth fill, in Edgar; Clark Bridge, 18 x 40 ft. concrete arch, 38 wood piles, concrete abutments, earth fill, in Sutton; Hachtel Bridge, 18 x 40 ft. concrete arch, 40 wood piles, concrete abutments, earth fill, in Harvard; Paris Bridge, 20 x 22 ft. I beam, steel abutments, 6 in. concrete deck, etc., in Inland; Flesner Bridge, 18 x 18 ft. I beam, steel pile abutments, 6 in. concrete deck, etc., in Inland. G. E. Johnson, Brownell Blk., Lincoln, state engr.

Okla., Oklahoma City—Placing gunite protection on banks of city reservoir, to Pratt Thompson Constr. Co., 500 Republic Bldg., Kansas City, Mo., $187,007. Noted May 11.

Ont., Ottawa—Will build 4 mi. c.i. mains in various streets, by day labor. $100,000. A. F. Macallum, city engr.

BIDS DESIRED

Conn., Kent—June 15, by C. J. Bennett, state highway comr., Washington St., Hartford, steel superstructure, concrete roadway and iron handrailing of bridge over Housatonic River, here; adv. this issue.

N. Y., Buffalo—See "Miscellaneous."

Mich., Grand Haven—June 23, by F. F. Rodgers, state highway comr., at office City Manager, substructure and channel protection work for swing bridge, joining Grand Haven with village of Ferrysburg; adv. this issue.

Cal., Riverside—See "Streets and Roads."

BIDS RECEIVED

Fla., West Palm Beach—Bd. Comrs. Palm Beach Co., reconstructing and completing rein.-con. and steel bridge over Lake Worth, involving (principal items as follows), (1) 38,000 cu.yd. concrete, (2) 4,200 cu.yd. concrete, (3) 157 piles, (4) 250,000 lb. reinforced metal, (5) 5,500 sq.yd. macadam pavement, (6) span in place, etc., (7) operators house, (8) lighting system, (9) removal of old piers, etc., from C. E. Hillyer, 117 West Forsythe St., Jacksonville, (1) $31.75, (2) $19.84, (3) $10, (4) $0.048, (5) $0.90, (6) $27,250, (7) $1,584, (8) $6,000 (9) $18,475; H. C. Daniels, West Palm Beach, (1) 23, (2) $26.50, (3) $45, (4) $0.0775, (5) $1.10, (6) $28,600, (7) $3,500, (8) $8,950, (9) $2,800; E. P. Maule, West Palm Beach, (1) $25, (2) $25, (3) $15, (4) $0.055, (5) $1, (6) $29,000, (7) $2,500, (8) $4,500, (9) $24,500. Noted May 4.

CONTRACTS AWARDED

N. Y., Castleton—New York Central R.R., Grand Central Terminal, New York, piers for bridge over Hudson River, and 12 mi. railroad for cutoff, to Walsh Constr. Co., Herald Bldg., Syracuse; 23,000 ton steel and fabrication has been awarded to McClintic Marshall Co., Oliver Bldg., Pittsburgh, Pa. Bids for erection of superstructure will be received later.

New Jersey—State Hy. Comn., Trenton, reconstructing bridge M. P. 37, Biddles Creek, on Route 15, in municipality of Middle, Cape May Co., to R. J. Mansfield, 53 Park Pl., New York, $33,415. Noted May 4.

North Carolina—State Hy. Dept., Raleigh, constructing rein.-con. bridges and culverts on State Project 326, Columbus Co., to J. A. Kreis, Holston Bank Bldg., Knoxville, Tenn., $74,452. Noted May 11.

N. D., Fargo—Cass Co., 70 ft. steel span bridge over Maple River, near Mapleton, Federal Aid Project 154, to J. A. Jardine, Fargo, $10,208. Rejected bids opened May 10 for 90 ft. steel span bridge over Cheyenne River, near Haggart. Noted Aug. 25.

Mo., Reed Springs—Missouri Pacific R. R., Railway Exch., 10 wooden trestles with concrete culverts and earth embankments, between here and Cricket (Omaha P. O.), Ark., to J. Moss, 608 South Dearborn St., Chicago, Roach & Stansell, North Memphis Savings Bank Bldg., Memphis, Tenn., and W. Dennison, Cushman, Ark. Total $100,000.

Tex., Brownsville—Hidalgo Co. (Edinburg), 350 ft. bridge across Rio Grande River connecting Santa Cruz, Mexico, and Brownsville, to E. E. Jochen, Brownsville, $150,000.

Dams

PROPOSED WORK

Mont., Great Falls—Toole Co. Irrigation Dist. plans 2 earth dams, 4 reservoirs, 34,-000 ft. 10 ft. pipe, 7,900 ft. tunnel, etc. $10,000,000. J. A. Johnson, 1st State Bank Bldg., Shelby, comr. Gerharz & Jaqueth, 514 1st Natl. Bank Bldg., engrs.

Ont., Thessalon—See "Industrial Works."

BIDS DESIRED

Conn., Stamford—June 8, by J. H. Provost, city clk., removal of old dam, constructing rein.-con. dam, and 2 rein.-con. retaining walls, cleaning and excavating 145 ft. channel; adv. this issue.

CONTRACTS AWARDED

O., Columbus—W. H. Duffy, dir. Pub. Serv., O'Shaughnessy Dam, 1,400 ft. long, 70 ft. high, in Scioto River, incl. bridge, 15 mi. north of here, to Thompson-Starrett Co., 49 Wall St., New York, $1,165,511. Noted May 11.

Railways

PROPOSED WORK

Pennsylvania—Pennsylvania R.R., Penna. Sta., Pittsburgh, plans new low grade line railroad bed, incl. 25,000 cu.yd. excav., 253,-000 cu.yd. fill, 28,000 cu.yd. concrete, in New Brighton, Beaver Co. R. M. Trimble, asst. ch. engr.

Oklahoma—North East Oklahoma R.R., Miami, plans electric railway from Miami to Pawhuska. $550,000. W. J. Martin, mech. supt. and ch. engr. H. B. Cobban, genl. mgr.

BIDS DESIRED

Minnesota—See "Miscellaneous" under "St. Paul."

CONTRACTS AWARDED

Massachusetts—Worcester Consolidated Street Ry., 107 Main St., Worcester, will repair road bed and replace rails on Main Southbridge, Mulberry and Vernon Sts., by day labor. $200,000. Private plans.

N. Y., Castleton—See "Bridges."

Excavation and Dredging

PROPOSED WORK

N. C., Swan Quarter—Bd. Comrs. Hyde Co. D. D. 6, will sell $130,000 bonds June 12, for drainage work in D. D. 6. A. B. Litchfield, secy.

Streets and Roads

PROPOSED WORK

N. Y., Elmira—Plans to sell $450,000 bonds to pave various streets. G. W. Jarshow, clk.

N. Y., Fredonia—Takes bids about June 15 paving Forest Pl., Terrace, Barker and Risley Sts., vertical fibre brick on sand cushion with rolled gravel base. $40,000. Noted May 4.

N. Y., Rochester—Plans widening and improving several streets. $130,120. C. A. Poole, city engr.

Pa., Bradford—Plans paving 3,000 ft. Hobson Pl. and Mill St., vitr. brick. $25,000. E. C. Charlton, city clk.

Pa., Erie—Plans paving crossings, streets, etc., over new Mill Creek Tube. $30,431 (estimate based on brick or block). F. G. Lynch, city engr.

Pa., Sharon — Plans paving 2,380 ft. George St., Case and Euclid Aves., to exceed $25,000. L. E. Burnside, city engr.

Pa., Youngsville—Plans paving Main St., brick on concrete. $25,000.

Virginia—State Hy. Comn., Richmond, soon takes bids paving road between Chatham and Altavista, $50,000, between Pulaski and Bristol, $300,000, between Stuart and Martinsville, $50,000, all macadam. G. P. Coleman, comr.

N. C., Thomasville—Plans paving South Main St. and probably streets surrounding new school house site. $50,000.

Fla., Cocoanut Grove—June 1, to vote on $30,000 bonds constructing various streets. H. M. Mathison, mayor.

Fla., Green Cove Springs—J. B. McCrary Co., engrs., 3rd Natl. Bank Bldg., Atlanta, Ga., takes bids in June paving 7 mi. various streets, brick or asphalt. $200,000 bonds voted. Noted May 4.

Ala., Birmingham—Jefferson Co. takes bids about June 22, grading and paving 1.5 mi. Vanderbilt Rd., asphaltic concrete. $44,350. A. F. Hawkins, Birmingham, engr.

Tenn., Manchester—Coffee Co. authorized $400,000 bond issue improving various roads.

O., Akron—Plans to vote on $100,000 bonds for paving various streets.

O., Lima—Making plans paving various streets. $200,000. C. A. Bingham, city mgr.

O., Warren—Trumbull Co. plans to construct 12 roads, 40.2 mi. long, macadam. $1,288,000. I. G. Taylor, Warren, engr.

Ill., Carmi—White Co. takes bids about July 1, gravel and macadam surfacing various highways, 16 ft. $100,000. C. W. Hathaway, Effingham, engr.

Ill., West Dundee (Dundee P. O.)—Soon takes bids paving Main St., ½ mi., 36 ft. wide and ½ mi. 44 ft. wide, brick, incl. curb and catchbasins. G. G. Nelson, Sherwin Bldg., Elgin, engr. Noted Jan. 26.

Wis., Watertown—Making plans paving Milford Rd., incl. 10,000 sq.yd. 18 ft. plain concrete, 2,100 sq.yd. rein.-con. $25,000. A. Kraeft, City Hall, engr.

Ia., Creston — Auditor Union Co. soon takes bids grading 9.5 mi. Federal Aid Project 83. W. O. Price, Chariton, engr.

Ia., Madison—Auditor Jefferson Co. takes bids about July 1, grading and building culverts on 18 mi. Federal Aid Project 220. W. H. Bryant, Fairfield, engr.

Minn., St. Paul—G. Ries, aud. Ramsey Co., rejected bids resurfacing Edgerton St. from Crosley to Centerville Rds., 13,330 lin. ft. crushed rock and tarvia; work will be readvertised. Returned bids (unopened) rein.-con. paving South Wabasha St. and Dodd Rd. from St. Paul city limits to Smith Ave., (postponed for year). Noted April 20.

Minn., St. Paul—Plans paving about 4 miles River Blvd. from Portland Ave. to Fort Snelling. $250,000. O. Claussen, city engr.

Minn., Wells—Plans paving 11 blocks. $40,000. L. P. Wolff, 1001 Guardian Life Bldg., St. Paul, engr.

Wyoming—State Hy. Dept., Cheyenne, plans grading, surfacing and building structures on 3.14 mi. Federal Aid Project 133, Yellowstone Highway, from here north, 24 ft., Laramie Co., incl. 450 ft. concrete ford, $26,000; 3.07 mi. Federal Aid Project 132, Moorcroft-Carlile Rd., 24 ft., Crook Co., $46,000. Z. E. Sevison, state highway engr.

Mo., Fulton—Calloway Co. takes bids in June grading and hard surfacing 15 mi. various roads. H. D. Griffith, De Soto, engr.

Tex., Cleburne—June 8, to vote on $225,000 bond issue to construct Burleson-Alvarda-Cleburne Highway and complete State Highway 2-E, in Johnson Co. J. G. Lott, Alvarda, engr.

Tex., Ennis—June 20, to vote on $25,000 bond issue to pave various streets. E. M. Thomas, mayor.

Wash., Long Beach—Plans paving Pacific Ave. $50,000. Engineer not selected.

Wash., Seattle—Plans paving 14,500 ft. West Marginal Way, 316,000 cu.yd. earthwork and 32,700 sq.yd. 7 in. concrete. A. H. Dimock, city engr.

Cal., Fresno—Plans improving Echo Ave. between Olive and Pine Aves., 63,576 sq.ft. grading, 63,576 sq.ft. concrete paving, 3,328 lin.ft. curb, 16,594 sq.ft. walks, 306 lin.ft. 12 in. culverts, etc. W. Stranahan, city engr.

Cal., Gustine—Rejected bid improving portions of South, 6th and 4th Aves. Noted May 18.

Cal., Merced—Rejected bids opened May 15, improving 13th, 14th and 15th Sts. C. D. Martin, Merced, engr. Noted May 4.

Cal., San Anselmo—Rejected bid paving various streets in Barber Tract. Noted May 4.

Cal., San Diego—Having plans prepared paving F St. from 16th to 25th Sts., 17,000 sq.yd. 2½ in. asphaltic concrete with 1½ in. top. F. A. Rhodes, City Hall, engr.

Ont., Brantford—Having plans prepared and takes bids about June 1, paving with asphalt George, Chatham, Church, Colborne, Palmerston and Wellington Sts. $65,000. F. P. Adams, city engr.

Ont., Cobourg—Soon takes bids paving King St., asphaltic concrete or bitulithic wearing surface. $125,000. B. Ewing, town clk.

Ont., Lucan—Takes bids about June 15, paving 1 mi. Main St. $28,000. Prices wanted on all materials. J. M. McGregor, Glencoe, engr.

Ont., Tilbury—Takes bids about June 4, concrete pavements on Carlyle Ave., Young, Market, Prospect and Superior Sts. $40,000. Prices wanted on all materials. R. O. Wynne-Roberts, 40 Jarvis St., Toronto, engr.

Ont., Wingham—Takes bids about June 15, concrete pavements on Josephine St. and Diagonal Rd. $35,000. Prices wanted on materials.

Ont., Merriton—Lincoln Co., St. Catharines plans paving Main St., here. $50,000.

BIDS DESIRED

N. Y., Brooklyn—Jnue 7, by E. Riegelmann, boro pres., Boro Hall, paving Bristol St. from Lott to Hegeman Aves., East 8th St. from Foster Ave. to Ave. H, both asphalt on 6 in. concrete; grading, curbing and laying sidewalks on Schenectady Ave. from East New York Ave. to Rutland Rd.; grading, curbing and flagging Union St. from Ralph Ave. to Portal St., 80th St. between 17th and 18th Aves.

N. Y., Brooklyn—June 8, by Park Bd. at office Dept. Parks, Municipal Bldg., New York, improving East Lake Dr., Prospect Park between Lincoln Rd. and Ocean Ave. entrances, sheet asphalt. F. D. Gallatin, pres.

N. Y., New York—June 7, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., paving, etc., Valentine Ave. from Burnside Ave. to Kingsbridge Rd. at East 192nd St., asphalt blocks on concrete.

N. Y., New York—June 7, by J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving 71st St. from Central Park West to Columbus Ave., West 129th St. from point 20.6 ft. west of Mt. Morris Park west to 7th Ave., East 30th St. from 1st to 2nd Aves., all sheet asphalt on concrete.

N. Y., St. George—June 7, by M. J. Cahill, pres. Richmond Boro, Boro Hall, repaving Bay St. from Thompson St. to Staten Island Rapid Transit R.R. crossing; Richmond Terrace from Ferry St. to Sharpe Ave.; Richmond Terrace from York Ave. to Sailors Snug Harbor dock, within franchise area of Richmond Light & Railroad Co. on Richmond Terrace from Van to Bodine Sts. and from Davis to Campbell Aves., granite block. Noted May 11.

N. Y., St. George—June 7, by M. J. Cahill, pres. Richmond Boro, Boro Hall, repaving roadway of Bradley Ave. from Richmond Turnpike to Brielle Ave., concrete. $25,000. Former bids withdrawn. Noted May 4.

N. J., Camden—June 12, by Road Com. Camden Co., constructing rein.-con. road in Clementon Twp. J. J. Albertson, co. engr., adv. this issue.

N. J., Long Branch—June 21, by Bd. Freeholders Monmouth Co. (Freehold) reconstructing portion of Cedar Ave. between Route 4, Sect. 6 of State Highway and Norwood Ave., here. G. K. Allen, Jr., 6 Broad St., Red Bank, co. engr.; adv. this issue.

N. J., Morristown—June 21, by Morris Co., constructing Sect. 6 of State Highway 5, Speedwell Ave., bituminous concrete on concrete. W. Hopkins, co. engr.; adv. this issue.

N. J., Red Bank—June 21, by Monmouth Co. (Freehold) constructing State Highway Route 4, Sect. 5-A, Maple Ave., here, sheet asphalt on Portland cement concrete. G. K. Allen, Jr., co. engr.; adv. this issue.

N. J., Trenton—June 20, by Mercer Co. constructing State Highway Route 1, Sect. 6, Greenwood Ave., reinforced cement concrete and granite block. H. F. Harris, co engr.; adv. this issue.

Pa., Ebensburg—June 26, by Bd. Supervs. Lower Yoder Twp., c/o Controller Cambria Co., reconstructing vitr. brick pavement on 1 course rein.-con., on St. Clair Rd. Owen & Plummer Inc., Otto Bldg., Johnstown, engrs.

Maryland — June 13, by State Roads Comn, Baltimore, paving sections state highway in Montgomery Co., Contr. M-31 and M-32, Anne Arundel Co., Contr. AA-17, Charles Co., Contr. Ch.-22. J. N. Mackall, chn.; adv. this issue.

South Carolina—June 14, by State Hy. Comn., Columbia, constructing 15.6 mi. Yemassee-Fairfax Rd. between Varnville and Yemassee, Hampton Co., 78,321 cu.yd. excav., 31,450 cu.yd. sand clay surfacing; 2 bridges, rein.-con. or creosoted timber.

Ga., Atlanta—June 5, by J. N. Landers, City Hall, paving Clifton Ave. from McLendon to Ponce De Leon Aves., 46,333 sq.yd. concrete; Euclid Ave. from Clifton Ave. to 540 ft. west of Page Ave., 9,568 sq. yd. concrete; Glenn St. from Washington to Pryor Sts., 6,880 sq.yd. concrete; Clement Dr. from Greencove to Ranier Sts., 8,107 sq.yd. concrete; Virginia Circle from Barnett to De Leon Sts., 4,693 sq.yd. concrete; Greencove St. from Virginia Ave. to Clement Dr., 4,053 sq.yd. concrete; De Leon St. from Virginia Ave. to Virginia Circle, 2,751 sq.yd. concrete; Irene St. from East Linden to East Merritts Aves., 2,250 sq.yd. concrete; Dixie Ave., from Waddele St., to Druid Circle, 9,106 sq. yd. concrete. H. L. Collier, City Hall, engr.

Florida—June 14, by State Rd. Dept., Tallahassee, constructing 18 mi. section of Rd. 3 between Putnam Co. line and De Leon Springs, Volusia Co., 168,960 sq.yd. surfacing. Alternate bids on crushed stone base course, 8 in. in depth compacted; shell base course, 8 in. compacted; crushed stone base course, 6 in. compacted; shell base course, 6 in. compacted; waterbound macadam, 2½ in. compacted; bituminous macadam, 2½ in. compacted. W. F. Cocke, state highway engr.

Tennessee—June 9, by State Hy. Dept., Nashville, 8.92 mi. road between Rhea Co. line and Pikeville, Federal Aid Project 84, Bledsoe Co., incl. 92,791 cu.yd. common and 15,976 cu.yd. solid rock excav., 1,873 cu.yd. borrow, 83,694 sq.yd. 2½ in. bituminous macadam penetration surface, 1,592.56 cu. yd. concrete, 141,074 lb. deformed steel bars, 86,309 sq.yd. 8 in. standard hand placed coarse stone base course, bridges over 20 ft. span, incl. 1,021 cu.yd. wet and dry excav., 490.17 cu.yd. concrete, etc. D. Q. McComb, Nashville, ch. engr.

Ohio—June 9, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Allen Co., Sect. "I" Lima-Wapakoneta Rd., 3.929 mi., bituminous macadam, asphalt or tar, $102,229; willite, $124,797; rein.-con., $107,916; brick, $142,983; state to furnish brick, $104,993.

Belmont Co., Sect. "G" Barnesville-Woodsfield Rd., 5,462 mi., bituminous macadam, asphalt or tar, $61,432.

Belmont Co., Sect. "G-1" Barnesville-Woodsfield Rd., 5,462 mi., bituminous macadam, asphalt or tar, $95,107.

Brown Co., Sect. "F-1" Cincinnati-West Union Rd., 3.072 mi., waterbound macadam, $67,204.

Brown Co., Sect. "Hammersville" Cincinnati-West Union Rd. 0.637 mi., bituminous macadam, asphalt or tar, $14,780.

Clark Co., Sect. "L-1" Springfield-Washington C. H. Rd., 1.65 mi., bituminous macadam, asphalt or tar, $36,757.

Streets and Roads (Continued)

Clark Co., Sect. "O" Springfield-Washington C. H. Rd., 1.357 mi., bituminous macadam asphalt or tar, $46,520; rein.-con., $54,243; bituminous concrete, $54,492.

Crawford Co., Sect. "G" Bucyrus-Cresline Rd., 1.69 mi., rein.-con., $54,821; bituminous macadam, asphalt or tar, $57,254; brick, $78,635; state to furnish brick, $52,661.

Darke Co., Sect. "E" Dayton-Greenville Rd., 4.492 mi. brick $160,483; rein.-con., $137,176; bituminous concrete, $145,562.

Hamilton Co., Sect. "B" and "Sharonville" Columbus-Cincinnati Rd., 2.003 mi., bitoslag, $111,997; bitulithic, $111,997.

Hamilton Co., Sect. "A" Cincinnati-Zanesville Rd., 2.999 mi., plain concrete, $124,173.

Holmes Co., Sect. "D" Narvarre-Berlin Rd., 5.967 mi. plain concrete, $73,582.

Licking and Knox Counties, Sect. "K" Columbus-Millersburg Rd., 1.42 mi., rein.-con., $42,461.

Lorain Co., Sect. "D" and "E" Cleveland-Elyria Rd., 6.23 mi., brick, $194,572; state to furnish brick, $131,332; bituminous concrete, $166,250.

Marion Co., Sect. "C-3" Marion-Marysville Rd., 2.057 mi., bituminous concrete, $54,692; bituminous macadam, asphalt or tar, $45,629.

Morgan Co., Sect. "C" McConnelsville-Zanesville Rd., 1.8 mi., rein.-con., $59,085.

Noble Co., Sect. "E" Cambridge-Caldwell Rd., 3.549 mi., rein.-con., $98,562; brick, $108,053; state to furnish brick, $80,049.

Portage Co., Sect. "D" Aurora-Warren Rd., 3.593 mi., rein.-con., $106,183.

Stark Co., Sect. "D-2" and "E" Alliance-Minerva Rd., 3.96 mi., monolithic brick, $167,206; state to furnish monolithic brick, $125,991; bituminous concrete, $164,592.

Summit Co., Sect. "E-2" Cleveland-Massillon Rd., 3.494 mi., rein.-con., $116,494; bituminous concrete, $130,740; brick, $151,672; state to furnish brick, $119,021.

Summit Co., Sect. "O" Cleveland-Massillon Rd., 0.93 mi., rein.-con., $37,548; bituminous concrete, $31,459; brick, $37,204; state to furnish brick, $28,249.

Summit Co., Sect. "Clinton" Cleveland-Massillon Rd., 0.58 mi., rein.-con., $21,845; bituminous concrete, $24,226; brick, $27,815; state to furnish brick, $22,299.

Tuscarawas Co., Sect. "Mineral City" Canton-Canal Dover Rd., 1.03 mi., Kentucky rock asphalt $29,016; brick, $36,315; state to furnish brick, $27,862.

Mahoning Co., Sect. "W" Akron-Youngstown Rd., 0.457 mi., brick, $14,426; state to furnish brick, $12,839.

Mahoning Co., Sect. "D" Alliance-Sebring Rd., 0.99 mi., brick, $26,999; state to furnish brick, $18,199.

Cuyahoga Co., Sect. "Rocky River" Cleveland-Sandusky Rd., 2.014 mi. brick. $132,300; state to furnish brick, $109,816; bituminous concrete, $113,800; bitoslag, $121,500; warrenite, $121,500. L. C. Herrick, dir. highways.

O., Cleveland Heights (Warrensville, P. O.)—June 5, grading, curbing, paving and repaving Edendale St., Noble Pl., Fairfax, Cumberland, Coventry and Mayfield Rds., 22,400 lin.ft. stone curb and 4 in. tile gutter, 11,500 cu.yd. rock excav., 41,850 sq.yd. new asphalt, 167,850 sq.yd. 6 in. concrete base, etc. $100,000. F. A. Pease Engr. Co., Marshall Bldg., Cleveland, engrs.

O., Columbus—June 6, by W. H. Duffy, dir. Pub. Serv., grading, curbing and paving 1,485 ft. Town St. Bridge, 40 ft. wide, asphalt, $19,435; grading, curbing and paving alley west of Worthington St. from 10th to 11th Aves., 365 ft. long, 20 ft. wide, brick, $4,511, concrete, $3,618; alley west of Harrison Ave. from 1st to 2nd Aves., 544 ft. long, 20 ft. wide, brick, $5,067, concrete, $4,110.

O., Columbus—June 7, by Franklin Co., grading, bridging and paving 1.74 mi. Caldwell-Davidson Rd., Truro Twp., $38,117; 3.5 mi. Lee Rd., Plain Twp., $80,358; 1.2 mi. Collingwood Ave., Truro Twp., $26,812, all waterbound macadam. C. C. Lattimer, Court House, engr.

Michigan—June 7, by State Hy. Dept., Lansing, grading and surfacing 1.754 mi. State Trunk Line Rd. 31-5, Sebewaing Co., 8,527 cu.yd. excav., 20,414 sq.yd. asphalt, concrete or bituminous concrete, also 1.001 mi. State Trunk Line Rd. 31-11, Huron Co., 3,289 cu.yd. excav., 10,573 sq.yd. asphalt, concrete or bituminous concrete.

Ill., Brookfield—June 7, paving Arden Ave. bituminous macadam. $90,000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Feb. 2.

Ill., Lincoln—June 7, Bd. Local Impvts., brick paving various streets. $80,000.

Ill., Robinson—Taking bids paving various streets, 24-36 ft., vitr. brick and monolithic concrete, concrete curb and gutter. $50,000. E. F. Mail, Court House, engr.

Ill., Sterling—June 5, grading, curbing and concrete paving 12,000 yd. various streets. A. G. Hubbard, city engr.

Wisconsin—June 6, at div. office 5, Batavian Natl. Bank Bldg., La Crosse, grading and surfacing 4 mi. Sparta-Black River Falls Rd., Federal Aid Project 256, Monroe Co., incl., 6.3 acres clearing, 4.17 acres grubbing, 27,807 cu.yd. earth, 360 cu. yd. loose and 2,652 cu.yd. solid rock excav., 14,179 cu.yd. shale surfacing, etc., alternate bids on shale for (1) wagon or wheel haul (2) sleigh haul; 2 mi. Galesville-Ettrick Rd., Federal Aid Project 1006, Trempealeau Co., 5,524 cu.yd. earth excav., 2,578 cu.yd. borrow, etc. A. R. Hirst, Madison, highway engr.

Minn., Little Falls—June 6, by B. Y. McNairy, aud. Morrison Co., State Rd. 4. Job 2204, 25,285 cu.yd. excav., 15,795 cu.yd. gravel surfacing, 26,583 lin.ft. shaping; State Rd. 6, Job 2206, 41,926 cu.yd. excav., 16,900 cu.yd. overhaul, 16,728 cu.yd. gravel surfacing, 30,148 lin.ft. shaping, 264 lin.ft. 12-48 in. culverts.

Minn., Moorhead—June 5, grading, paving and curbing Front St. between 9th and 14th Sts., 3,050 cu.yd. excav., 10,064 sq.yd. paving, 4,353 lin.ft. concrete curbing, inlets, castings, headers, reinforcing iron. Bids on concrete, bituminous concrete, bitulithic, creosoted wood block and vitr. brick. R. G. Price, city clk. W. B. Stevenson, Fargo, N. D., engr.

Minn., St. Paul—June 19, by G. J. Ries, aud. Ramsey Co., surfacing 2.52 mi. Edgerton St. from Crosley Rd. to Centerville Rd. station, alternate bids for (1) grading and surfacing with crushed rock and tarvia, (2) one course rein.-con., (3) asphaltic concrete surface on concrete, (4) brick on concrete with integral curb. $25,000-$75,000, according to surfacing.

South Dakota—June 8, by State Hy. Dept., Pierre, gravel surfacing 13.96 mi. Federal Aid Project 62, $35,000, and 16.98 mi. Federal Aid Project 40, $30,000, McCook Co.; 10.69 mi. Federal Aid Project 44, Roberts Co., $20,000; 16.12 mi. Federal Aid Project 38, Jerauld Co., $40,000; 10.1 mi. Federal Aid Project 52, Minnehaha Co., $40,000; 13.03 mi. Federal Aid Project 67, Clay Co.; 27.52 mi. Federal Aid Project 41, Sects. A, B and C, Marshall and Roberts Counties; 22.11 mi. Federal Aid Project 43, Davison and Hutchinson Counties. F. D. Hudgins, state engr.

Tex., McKinney—June 8, by O. T. Murray, judge of Collin Co., grading, surfacing, etc., 10.2 mi. State Highway 5A, Farmersville Rd. Dist., 13,850 cu.yd. channel, 75,062 cu.yd. borrow and 30,956 cu.yd. roadway excav., 1,250 sq.yd. concrete, 135,000 lb. reinforcing, 13,277 cu.yd. shipped gravel, 12,258 cu.yd. local rock base, etc., $151,885; 4.84 mi. State Highway 5A, Lavon Rd. Dist., 16,185 cu.yd. roadway and 70,321 cu.yd. borrow excav., 209.6 cu.yd. concrete, 9,165 lb. structural and 18,593 lb. reinforcing steel, 6,057 cu.yd. shipped gravel, 8,492 cu.yd. local limestone base, $86,350; 3.72 mi. State Highway 5A, Copeville Dist., 13,751 cu.yd. roadway, 38,950 cu.yd. borrow and 8,478 cu.yd. channel excav., 226 cu.yd. concrete, 16,350 lb. reinforcing, 4,891 cu. yd. shipped gravel, 6,862 cu.yd. local limestone, $55,983; 12.4 mi. State Highway 5A, Blue Ridge Rd. Dist., 404 cu.yd. concrete, 29,282 lb. reinforcing, 86,014 cu.yd. borrow excav., etc.; grading and surfacing with crushed rock base, gravel sub-base and (a) 1½ in. bituminous topping with concrete curb or (b) bituminous concrete, on 2.17 mi. State Highway 5A, Wylie Rd. Dist., 22,589 lin.ft. concrete curbing, 308 cu.yd. concrete, 21,614 sq.yd. bituminous concrete, 28,794 lb. reinforcing, 23,651 gal. asphalt oil, 899 cu. yd. cover material, 3,555 cu.yd. gravel sub-base, 3,259 cu.yd. crushed rock base, etc., (a) $65,551 (b) $79,011. F. W. Cawthon, co. engr.

Cal., Hollister—June 5, by Supervs. San Benito Co., re-grading and surfacing with asphaltic wearing surface 105,600 sq.ft. San

10,984 Items Published This Year
Construction News For First Five Months of 1922

	Proposed Works	Bids Desired	Bids Received	Contracts Let Number	Contracts Let Value
Waterworks	284	209	41	140	$9,828,800
Sewers	251	203	67	147	16,333,400
Bridges	167	207	56	133	14,671,000
Excavation and dredging	79	71	9	54	3,911,000
Streets and roads	959	942	289	850	137,783,000
Industrial works	622	200	8	444	63,862,000
Buildings	1,719	760	87	849	296,847,000
Fed. gov't. work	108	146	56	88	13,351,500
Miscellaneous	194	300	58	187	47,734,000
Totals	4,383	3,038	671	2,892	$604,321,700

Wis., Elkhorn—June 6, by Linn Twp. Bd., concrete surfacing Zenda Rd., for Walworth Co. and Linn Twp., incl. 14,578 sq.yd. concrete, 3,092 cu.yd. excav. Wisconsin Hy. Comn., at div. office, 444 Milwaukee St., Milwaukee, engrs.

Wis., Monroe—June 13, grading and paving Payne St. from Jefferson to Jackson Sts., Adams St. from George to Russell Sts., Liberty St. from Adams to Jackson Sts., Racine St. from Emerson to Green Sts., Mechanic St. from Jackson to East Sts., 18,515 sq.yd. tar macadam, vitr. block, rein.-con. or sheet asphalt, 5,938 sq.ft. cement sidewalks. $50,000 to $60,000. T. Pankow, 255 Washington Bldg., Madison, engr.

Ia., Cherokee—June 7, by Auditor Cherokee Co., grading 13.47 mi. Sects. A and C, Primary Rd. Project 151, 86,890 cu.yd. excav., etc.

Ia., Columbus Junction—June 8, paving 12,000 sq.yd. various streets concrete or brick. $30,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs. Noted May 25.

Ia., Eldora—June 7, Auditor Hardin Co., grading 3.59 mi. Primary Rd. Project 88, primary road west of Alden, east of Iowa Falls and Ackley, and from Eldora to Iowa Falls, 35,776 cu.yd. excav., 179,137 ft. 6 in. and 10,525 ft. 8 in. tile, etc.

Ia., Keokuk—June 12, paving various streets, 10,000 sq.yd. one course concrete, incl. curb and gutter. F. W. Maxwell, Keokuk, engr.

Ia., Marshalltown—June 22, Auditor Marshall Co., grading 8 mi. Hartland Rd. rfom Marietta west, Primary Rd. 14. D. Elder, Marshalltown, engr. Noted April 6.

Ia., Oskaloosa—June 8, Auditor Mahaska Co., grading 6.831 mi. Sects. A and D, Federal Aid Project 70, 105,058 cu.yd. excav., etc.

Ia., Sioux City—June 6, by Auditor Woodbury Co., grading Bronson-Lawton Rd., 160,000 cu.yd. excav. $30,000. J. C. McLean, Court House, engr. Noted May 4.

Ia., West Union—June 7, by W. Knox, clk., 46,000 sq.yd. paving and 31,000 ft. curb and gutter, brick, sheet asphalt, asphaltic concrete, bitulithic, rein.-con. and vibrolithic. H. R. Green, Cedar Rapids Savings Bank Bldg., Cedar Rapids, engr. Noted May 18.

Streets and Roads (Continued)

Juan and Watsonville Rd.; 60,000 sq.ft. Old San and New Idria Rd.; 89,280 sq.ft. Buena Vista Rd.; 62,400 sq.ft. San Justo and Tres Pinos Rd.; 196,528 sq.ft. Hollister and Tres Pinos Rd.; 33,600 sq.ft. San Felipe, Fairview and Township Rd.; 38,400 sq.ft. Hollister and Gilroy Rd. W. A. Winn, co. surv.

Cal., Merced—June 5, by Supervs. Merced Co., improving 7 mi. road through British Colony in 2nd Rd. iDst. $80,000. A. E Cowell, co. surv.

Cal., Riverside—June 26, by Bd. Supervs. Riverside Co., paving, constructing culverts and trestle bridge on roads in R. D. I. 9, 11,919 cu.yd. excav., 607,096 sq.ft. asphaltic concrete, 551 ft. timber trestle bridge. A. E Fulmor, co. surv.

Ont., Niagara Falls—June 5, by H. H. Beam, engr., Niagara Falls, 3¾ mi. Portage Rd. and Stanley St., bituminous penetration, for Suburban Area Comn., $28,000.

Ont., Walkerton—June 12, by F. B. James, city engr., 18,000 sq.yd. asphalt paving on concrete. $45,000.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids May 24, repaving (1) DeKalb Ave., (2) Graham Ave., (3) Hopkinson Ave. resurfacing. (4) East 14th St., laying cement sidewalks on (5) north side of Jamaica Ave., from Sicilian Asphalt Paving Co., 41 Park Row, New York, (1) $83,321; Borough Asphalt Co., 1301 Metropolitan Ave., (1) $91,007, (3) $8,973; Cleveland Trinidad Paving Co., Flushing, (1) $91,455, (3) $10,303; Greico Bros., 172 Russell St., (2) $198,606; F. Donovan Sons Contg. & Trucking Co., 614 Union St., (2) $206,202; J. F. Winter, Jr., (2) $206,257; Uvalde Asphalt Paving Co., 1 Bway., New York, (3) $10,706; C. Gallagher, 745 Dean St., (4) $5,729; Murphy Bros., 262 Bay 43rd St., (4) $5,907; J. O'Hara Contg. Co., 717 65th St., (4) $6,997; Grimm Constr. Co., 170 McKinley Ave., (5) $648; T. B. Scott, (5) $783. Noted May 18.

N. Y., Brooklyn—Park Bd. at office Dept. Parks, Municipal Bldg., New York, opened bids May 25, repairing roadway pavement on parkways and park roads, here, for year 1922, from Sicilian Asphalt Paving Co., 41 Park Row, New York, $45,746; Cranford Co., 52 9th St., $47,325. Noted May 18.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids May 25, repaving (1) 37th St., (2) West Houston St., (3) 2nd Ave., (4) East 68th St., from Regan Towers Co., 124 West 121st St., (1) $11,782, (3) $110,076; Burnside Contg. Co., 270 Burnside Ave., (1) $12,189, (2) $14,473; P. J. Kearns Contg. Co., 2306 Creston Ave., (1) $12,345, (2) $14,487; O'Rourke Contg. Co., 1476 Bway., (2) $107,034; Asphalt Constr. Co., 208 Bway., (3) $109,342, (4) $10,967; Brusstar Constr. Co., Inc., Harlem River and 150th St., (4) $11,306; W. J. Fitzgerald, 547 West 45th St., (4) $11,340. Noted May 18.

South Carolina—State Hy. Dept., at office Bd. Comrs. Bamberg Co., Bamberg, surfacing 12.435 mi. road, Bamberg Co., from G. F. Bamberg, Bamberg, $39,508. Noted April 20.

South Carolina—State Hy. Dept., at office Bd. Comrs. Barnwell Co., Barnwell, sand-clay surfacing 9.653 mi. from Barnwell to Elko, from White Contg. Co., Barnwell, $19,630; 5.303 mi. from Elko to Barnwell-Aiken Co. line, from C. E. Teague, Augusta, Ga., $9,195. Noted April 20.

South Carolina—State Hy. Dept., at office Marlboro Co. Hy. Comn., Bennettsville, constructing 6.691 mi. from McLaurins Mill to Great Pee Dee River, from Hendrix & Kennedy, Mt. Croghan, $16,693. Noted April 20.

South Carolina—State Hy. Dept., at office Bd. Comrs. Newberry Co., Newberry, topsoiling 2.515 mi. road from Chappells to point near Saluda River, from Smith & Parr, Elberton, Ga., $14,491. Noted April 20.

South Carolina—State Hy. Dept., at office Orangeburg Co. Hy. Comn., Orangeburg, surfacing 14.655 mi. road beginning 2 mi. west of Orangeburg to city limits of Neeses, from T. E. Hook, New Brookland, $36,225; bridges on above road from Latimer & Peake, Bowman, $7,218. Noted April 20.

O., Cleveland—Cuyahoga Co. paving Pleasant Valley Rd. 2, 23,620 lin.ft. 4 in. tile gutter, 36,690 cu.yd. earth excav., 20,200 sq.yd. limestone surfacing, 3,090 cu.yd. 6 in. concrete base, from King Bridge Co., foot of East 69th St. $94,110; Enterprise Paving & Constr. Co., 8444 Bway., $95,646.

O., Shaker Heights (Cleveland P. O.)—Paving Palmerston and Eaton Rds., asphalt, from Cleveland Trinidad Paving Co., The Arcade, Cleveland, $77,971; Rieley Bros., The Arcade, Cleveland, $79,767.

Minn., Moorhead—Paving 22,471 sq.yd. various streets, from Haggart Constr. Co., 60 Bway., Fargo, N. D., one course concrete, gravel, $91,984, one course concrete, rock, $94,231, bituminous concrete, oil A, $91,902, bituminous concrete, natural lake, $93,298, warrenite bitulithic, $100,474; W. E. Kennedy, Fargo, N. D., brick, $106,424. Noted May 11.

Minn., St. Paul—G. Ries, aud. Ramsey Co., opened bids May 15, grading and paving 2.5 mi. South Robert St. from Dakota Co. Annapolis St. to Mendota Rd., from E. M. Ganley Co., 1002 Plymouth Bldg., Minneapolis, gravel on sub-grade, $75,996, gravel aggregate from central plant, $81,993, traprock from central plant, $92,832; bitulithic & Contg. Co., Ltd., Plymouth Bldg., Minneapolis, traprock on sub-grade, $86,703. Noted April 20.

Missouri—State Hy. Dept. at div. office Alton, 5.723 mi. road from Shannon Co. line to Ripley Co. line, State Aid Project 20.123, Oregon Co., (1) 43,930 cu.yd. earth excav., etc., from Serv. Constr. Co., Poplar Bluff, (1) $0.44 per cu.yd., total, $28,348; Summerfield-Jones Co., Springfield, (1) $0.45, $28,397; M. E. Gillioz, Monett, (1) $0.40, $28,420. Noted April 20.

Col., Denver—Concrete paving (1) Alley Paving Dist. 79, (2) Alley Paving Dist. 78, (3) Alley Paving Dist. 81, from Stack Bros. Constr. Co., 338 South High St., (1) $15,670, (2) $14,509, (3) $22,429; W. F. Pigg & Son, Engineers Bldg., (1) $15,784, (2) $14,613; R. M. Larson, 1309 Kalamath St., (1) $16,410, (2) $15,529, (3) $22,603.

California—State Hy. Comn., Sacramento, paving 10.9 mi. highway between Sects. 29 and 30, T 31 S., R 28 E., M. D. B. and M. and Bakersfield, Kern Co., 15,900 ton asphaltic concrete, from Federal Constr. Co., Call Bldg., San Francisco, at $3.74, total $59,466, Southwest Paving Co., 415 Washington Bldg., Los Angeles, $3.90, total $62,010, California Constr. Co., 58 2nd St., San Francisco, $3.95, total $62,805; 0.35 mi. highway in town of Williams, Colusa Co., 900 ton asphaltic concrete, from J. A. Costello, Jr., 1083 Shotwell St., San Francisco, at $10, total $9,000; Clark & Henery Constr. Co., 38 South Sutter St., Stockton, $12.50, total $11,250. Noted May 4.

Cal., Fresno—Improving Montecito Ave. between Hazelwood and 4th Sts., 86,524 sq. ft. grading, 81,190 sq.ft. 1½ in. warrenite on 2½ in. black base, 2,115 lin.ft. curb, 5,210 sq.ft. gutter, 7,220 sq.ft. walks, 320 lin.ft. 12 in. and 304 lin.ft. 18 in. corrugated culverts, from California Rd. and St. Impvt. Co., Bank of Italy Bldg., $28,024; Federal Constr. Co., Call Bldg., San Francisco, $28,130; Thompson Bros., 1514 H St., $28,185. Noted April 27.

Cal., Los Angeles—Bd. Supervs. Los Angeles Co., paving with willite on asphaltic concrete base, Rd. Impvt. Dist. 205, 5,215 lin.ft. concrete curbing, 7,470 sq.ft. concrete gutter, 2,412 sq.ft. cement sidewalk, 4,433 cu.yd. excav., 16,642 sq.yd. willite surface on asphaltic concrete, from Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., $49,800; F. Hoffman, 1316 West 40th Pl., $56,300; G. R. Curtis, 2440 East 26th St., $56,500.

Cal., San Francisco—City and San Francisco Co., improving Market St. from Mono to 24th Sts., from A. J. Raisch, 46 Kearny St., $71,873; Fay Impvt. Co., Phelan Bldg., $73,191; C. B. Eaton, 407 11th St., $74,544. Noted March 30.

Cal., Torrance—Paving with willite, (1) Arlington St. between southern boundary and Plaza Del Amo, (2) Carson St. from city boundary east, from Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., Los Angeles, (1) $51,285, (2) $37,116; Oswald Bros., 366 East 58th St., Los Angeles, (1) $56,467, (2) $37,318; Braun, Bryant & Austin, 1680 4th St., Santa Monica, (1) $57,513, (2) $33,964. Noted May 11.

CONTRACTS AWARDED

Conn., Middletown—For 2 mi. concrete base for new asphalt paving on Main St., to E. Balf Co., 26 State St., Hartford. (Top surface contract awarded under separate contract.) Total $65,000. Noted May 18.

Conn., New Haven—Paving Comn., 2,600 ft. concrete paving Whalley Ave. and Fountain St., to R. D. Daley Co., 6 Church St., $36,320; ½ mi. concrete and brick paving Grand Ave. between Mill River and Turnpike River bridges, to Connecticut National Pavements, Inc., 147 Orange St., $18,362.

N. Y., Buffalo—Dept. Pub. Wks., Geo. W. Moore, 82 Richfield Ave., paving Narragansett Rd., $2,970; to Rock Asphalt & Constr. Co., Morgan Bldg., Parkridge Rd., $2,265; to Erie Constr. Co., Morgan Bldg., Spann St., $18,500, Parkridge Ave., $24,804, Fredo St., $17,750, Poultney St., $11,786. Noted May 18.

N. Y., Jamestown—Bd. Estimate and Review will pave Crossman and Vega Sts., vitr. brick, $20,000, also gutter and concrete curb 4,024 ft. various streets, $7,090, by day labor. L. Bergman, City Bldg., city engr.

N. Y., New York—H. Bruckner, pres. Bronx Boro, repaving Rider Ave., to Asphalt Constr. Co., 2197 Madison Ave., $51,864. Noted May 25.

N. Y., New York—H. Bruckner, pres. Bronx Boro, repaving East 161st St., to Leonard Paving Co., 233 Bway., $89,875; paving West 238th St., to Asphalt Constr. Co., 2197 Madison Ave., $24,908; East 180th St. and Cromwell Ave., to C. D. Beckwith, Inc., 2875 Bway., $2,349 and $31,560 respectively; grading, setting curbs and laying sidewalks, etc., on DeKalk Ave., to M. DelBalso, University Ave. and 195th St., $5,886. Noted May 25.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving East 11th St., to J. Meehan & Sons, 71 Cortland St., $20,582; West 124th St., to P. J. Kearns Contg. Co., 2306 Creston Ave., $21,890; 75th and 65th Sts., to W. J. Fitzgerald, 547 West 45th St., $5,852 and $11,983, respectively; West 113th St., to Asphalt Constr. Co., 208 Bway., $6,323. Noted May 25.

N. Y., South Nyack—Village Bd. Trustees, paving Bway., concrete, to Cornelius Vanderbilt Genl. Contg. Co., 24 Elizabeth St., West New Brighton, $40,092. Noted May 4.

N. J., Mays Landing—Atlantic Co. Guarantee Trust Bldg., Atlantic City, reconstructing section of Mays Landing-Downstown Rd., known as Buena Vista Sect., to C. H. Earl, 173 Main St., Hackensack, $417,862. Noted April 20.

Pa., Elizabeth—For 10,030 ft. Scott Haven Rd., from Buena Vista to Lovedale Imp. Rd., 18 ft., rein.-con., to T. Cronin Co., South 18th St., Pittsburgh, $150,000.

Pa., Patton—Reconstructing 3,480 ft. Magee, Palmer and 4th Aves., vitr. brick paving block on rolled slag, to Bell-Bockel Co., Inc., 543 Vine St., Johnstown, $32,676. Noted May 4.

Pa., Washington—Paving 6,034 ft. Meadowlands-Houston Rd., to J. Herd, Washington, $29,497; 5,514 ft. Frye Sta. Rd., to T. Arrigo, Charleroi, $27,893; Midway-Steubenville Rd., to Cottle Bros., McDonald, $27,443; 6,000 ft. Krepp-Knob Rd., to Penn Contg. Co., Connellsville, $37,506; 6,027 ft. Hill Church-Eighty Four Rd., and 10,795 ft. Avella-Cross Creek Rd., to J. C. Mickey, Latrobe, $37,603 and $62,217 respectively; 10,400 ft. Midway-Bulger Rd. and 6,760 ft. McMurray Rd., to McDermott & Hannon, Niles, O., $57,342 and $42,936 respectively. Noted May 11.

Va., South Norfolk (Norfolk P. O.)—Paving 4 mi. Poindexter, Braibridge, Wilson and Chesapeake Rds., concrete and sheet asphalt, to R. G. Lassiter Constr. Co., Arcade Bldg., Norfolk, $101,923. Noted April 13.

N. C., Durham—Paving and laying sidewalks on various streets, to J. W. Long, Durham, $19,160; sewers in above streets, to A. H. Guion & Co., Gastonia, $15,591. Noted May 4.

South Carolina—State Hy. Comn., at office Sanitary and Drainage Comn., Broad St., Charleston, hard surfacing 3.5 mi. road, Charleston Co., to J. M. Gregory Co., Newton., $116,791. Noted April 13.

Fla., Sebring—Highlands Co. paving 11 mi. road from Josephine Creek to Lake Annie, caloosahatchee rock, to J. W. Fair and L. W. Bostick, Wauchula, $76,398.

Fla., Okeechobee—Okeechobee Co., grading and surfacing 18 mi. Bassenger Rds., and 6 mi. Jupiter Rd., to Maule Paving Co., Ojus, $42,750 and $9,500 respectively. Noted April 27.

Ill., Freeport—Paving West Mosely St. from Walnut to West Ave., and South Pine Ave. from Mosely to American St., to Northern Steel and Concrete Co. 204 Van Buren St., $34,600. Noted April 6.

Wisconsin—State Hy. Comn., Madison, improving Appleton-Medina Rd., Federal Aid Project 269, Outagamie Co., to Gruenke Bros., Appleton, 16,512 cu.yd. unclassified excav., $0.80, 6,574 cu.yd. special excav. $0.52 48,533 sq.yd. concrete paving, $1.29, 2,800 lb. reinforcing $0.04, etc., total $88,407.

Streets and Roads (Continued)

Wis., Fond du Lac—Fond du Lac Co. State Road and Bridge Com., surfacing, etc., 9.67 mi. Calumet Harbor-Mt. Calvary Rd., also Mt. Calvary to Calvary Rd., to Knoke Bros., Birnawood, $20,293; 6.15 mi. Waupun-Oshkosh Rd., to Colburn-Thurston, Anoka, Minn., $10,193; 4.7 mi. County Trunk Rd. U, to A. Mews, Auburndale, $11,885; 10.87 mi. Ripon-Rush Lake Rd. and Ripon-Fairwater Rd., to P. F. Murphy & Son, Milwaukee, $5,538; 2.44 mi. Wolf Lake-St. Cloud-Sheboygan Rd. and 5.7 mi. County Trunk Rd. U, to M. Fisch, Kilbourn, $5,606 and $15,631 respectively.

Wis., Watertown—Paving River Dr., 3rd and Nashtoah Sts., concrete to Hayes-Fountain-Hayes Co., 211 Hayes Blk., Janesville, $26,390. Noted May 4.

O., Cleveland—Paving, grading and curbing Parkview Ave. to Bentley Bros., Union Bldg., $39,879; East 140th St., to Gould & Maybach, 823 East 140th St., $51,228. Noted May 25.

O., Cleveland—Cuyahoga Co. paving Pleasant Valley Rd. 4 and Pleasant Valley Rd. 3, to King Bridge Co., foot of East 69th St., $107,210 and $67,921 respectively. Noted May 18.

O., Columbus—W. H. Duffy, dir. Pub. Serv., to Knight & Wells, Columbus, grading, curbing, laying water mains and paving Webber St., $22,857; to Federal Paving Co., Columbus, alley north of Madison Ave., $673, alley north of 9th Ave., $1,580, alley north of Northwood Ave., $1,491; to R. J. Dienst, 68 South Harris St., alley north of 13th Ave., $6,831, alley west of Neil Ave., $2,795, alley north of Chittenden Ave., $3,341, alley north of Frambes Ave., $4,545, alley west of Hunter St., $4,832, alley west of Linwood Ave., $2,071, alley west of Michigan Ave., $3,328. All concrete. Noted May 18.

O., Columbus—Franklin Co., grading, bridging and paving 5.34 mi. Hayes Rd., to H. W. Curry & Co., Columbus, $71,716; 5.26 mi. Norton Rd., to J. M. Snouffer, 409 East 16th Ave., $74,560; 5.34 mi. Hayden Run Rd., to D. C. Jones, Columbus, $69,792; 5.34 mi. Courtright Rd., to D. W. Botkin & Son, 767 South 22nd St., $43,611; 2.9 mi. Stygler Rd., Mifflin Twp., to J. L. Edwards, Sunbury and J. M. Sandusky, Gohanna, $51,727; 5.26 mi. Potter Rd., Sharon Twp., to A. W. Burns & Co., Stoneman Bldg., $70,953. Noted May 18 and 25.

O., Flushing—Paving Depot, East High and Wood Sts., vitr. brick, to Rosser & Maloney, Bellaire, $45,915. Noted March 16.

O., Shaker Heights (Cleveland P. O.)—Grading and laying sidewalks on Stoer, Milverton and Glencairn Rds., to Ohio Quarries Co., Citizens Bldg., Cleveland, $27,856. Noted May 25.

O., Worthington—Grading, curbing and paving 3,500 sq.yd. Berlin and Moring Sts., asphalt, to R. J. Dienst, 68 South Harris St., Columbus, $20,120. Noted May 18.

Michigan—State Hy. Dept., Lansing, grading and surfacing 2.332 mi. State Trunk Line Rd. 21-17, Lapeer Co., to C. D. Brooks, Omer, incl. 8,409 cu.yd. excav., $0.45, 62.5 cu.yd. 1:2:4 and 48.1 cu.yd. 1:3:6 concrete, $12, 24,624 sq.yd. concrete pavement, $1.33, total $44,177; 5.886 mi. State Trunk Line Rd. 19-12, Sanilac Co., to Moore-Elmer Constr. Co., Snover, 14,730 cu. yd. excav., $0.40, 199.5 cu.yd. 1:2:4 concrete, $16, 148.3 cu.yd. 1:3:6 concrete, $15, 55,237 sq.yd. gravel, $0.82, total $58,985; 1.5 mi. State Trunk Line Rd. 27-9, Sect. C, 1 mi. concrete, 0.5 mi. gravel, to Murray & Fremont, Bad Axe, $32,753.

Michigan—State Hy. Dept., Lansing, grading and surfacing 2.966 mi. State Trunk Line Rd. 33-5, Oscoda Co., to Regan-Baker Co., Kewadin, $25,241. Noted May 4.

Ia., Guthrie Center—Guthrie Co., grading Federal Aid Project, Sect. A, between Adair and Casey, 293,466 cu.yd. excav., etc., to Lamoreaux Bros., Anoka, Minn., $0.239 per cu.yd. Noted May 11.

Minn., Minneapolis—Hennepin Co., paving 5.8 mi. Cedar Ave. Rd. from City limits to Minnesota River, 66,369 sq.yd. concrete, to Hanlon & Okes, 338 Lumber Exch. Bldg., $148,256. Noted May 4.

Minn., St. Paul—For paving (1) State St., from Oakdale Ave., to Robert St., and Robert St. from Gates St. to city limits, 10,801 sq.yd. 3 in. vertical fibre brick, (2) Stryker Ave. from Winifred to Augusta Sts., Augusta St. from Stryker Ave. to Dodd Rd., and Dodd Rd. from Augusta St. to south city limits, 9,697 3 in. vertical fibre brick, to Fielding & Sheply, 216 University Ave., (1) $41,345, (2) $37,495. Noted May 4.

Minn., St. Paul—Ramsey Co., grading and gravel surfacing Rich Valley Rd. from State Rd. 6 to State Highway 53 and State Rd. 5 from State Rd. 6 to State Highway 50, Dakota Co., 113,000 cu.yd. earth and 17,000 cu.yd. loose rock excav., to Garrick Bros., 870 Charles St., $28,163; 13,600 cu.yd. gravel surfacing, to A. W. Wilson, Hastings, $9,400; bridge and culverts, 365 cu.yd. concrete, to E. Mattson, 114 West Rose St., $11,606. Noted May 4.

Minn., St. Paul—To Fielding & Shepley, 216 University Ave., paving Como Ave. from Hemline to Snelling Aves., creosoted wood blocks, $42,058 ($1,232 additional with headers), Bohn St. from Syndicate Ave. to Griggs St., gravel, $4,246, Syndicate Ave. from Bohn St. to end of present paving, gravel, $2,403, Plato Ave. from Wabasha to South Robert Sts., vertical fibre brick, $20,431, Vandalia St. from Chicago, Milwaukee & St. Paul R.R. tracks to University Ave., creosoted wood blocks and fibre brick, $26,022; to E. M. Ganley Co., Inc., 1002 Plymouth Bldg., Minneapolis, White Bear Ave. from Kerwin St. to Larpenteur Ave., limestone, $50,473; to Hanlon & Okes, 338 Lumber Exch. Bldg., Minneapolis, Kerwin St. from White Bear to Hazel Aves., and Stillwater Rd. from Hazel Ave. to east city limits, limestone, $34,311; to White Constr. Co., 17 North LaSalle St., Chicago, Lafond St. from Snelling Ave. to Aldine St., sheet asphalt, $11,500. Noted May 4.

Missouri—State Hy. Dept. at div. office Canton, 8.37 mi. road from Canton southward and westward, Federal Aid Project 38, to C. P. O'Rielley & Co., Wainwright Bldg., St. Louis, $120,619. Noted May 4.

Tex., Cuero—De Witt Co. grading, gravel surfacing and bridging 2.14 mi. State Highway 29, incl., 9,046 cu.yd. borrow, to W. T. Hutto & Sons, Gonzales, $23,243.

Tex., Glen Rose—Somervell Co. grading and surfacing 3.91 mi. State Highway 10 A and 25, incl., 4,221 cu.yd. borrow, 31,073 cu.yd. roadway, 1,391 cu.yd. loose and 1,400 cu.yd. solid rock excav., 8,476 cu.yd. gravel surfacing, 776.6 cu.yd. concrete, 83,270 lb. structural and 65,841 lb. reinforcing steel, to McCollum Constr. Co., 1507 F and M Bldg., Ft. Worth $35,524.

Tex., Hillsboro—Hill Co. paving 11.75 m., State Highway 6 King of Trails south, incl., 110,303 sq.yd. 1½ in. inverted penetration bituminous pavement three application, 7.15 mi. State Highway 6, 67,137 sq.yd. 1½ in. inverted penetration asphalt pavement, to S. E. Finley and Hannah Constr. Co., c/o Hannah Constr. Co., Box 994, Waco, $35,968 and $27,082 respectively; 5.8 mi. State Highway 2-A from Colorado to Gulf Highway, State Aid Project 114, 59,206 sq.yd. 1 in. cold rolled limestone rock asphalt paving and 70,640 lin.ft. 6 x 8 in. concrete curbing, 9.91 mi. State Highway 2-A Federal Aid Project 122, 87,218 sq.yd. 1 in. cold rolled limestone rock asphalt, to Uvalde Rock Asphalt Co., Swearingen Bldg., San Antonio, $54,159 and $79,892 respectively. Noted May 18.

Tex., Robstown—Paving 2 blocks Main St., concrete, to W. L. Pearson, 1st Natl. Bank Bldg., Houston, $51,187. Noted March 2.

Tex., Wichita Falls—Wichita Co. paving 8.16 mi. State Highway 2, from point 7¼ mi. north of here to Red River, 86,264 sq.yd. 1 course rein.-con., etc., to Wichita Co., c/o J. P. Jones, co. judge., Wichita Falls, $281,166. Noted May 18.

Colorado—State Hy. Dept., Denver, paving 2.012 mi. Sante Fe Trail, Federal Aid Project 166, 18 ft. plain cement concrete, to C. C. Madsen, 465 Williams St., Denver, $60,864. Noted May 4.

Colorado—Paving 1.004 mi. North and South Highway, 18 ft. concrete, to Colorado Bridge & Constr. Co., Gas & Electric Bldg., Denver, $29,714. Noted May 11.

Col., Denver—Concrete paving to A. J. Collins, 2363 Blake St., 12 blocks Alley Paving Dist. 76, $15,894, 10 blocks Alley Paving Dist. 80, $16,104, 10 blocks Alley Paving Dist. 77, $13,098. Noted May 11.

Col., Denver—Paving 10 blocks 10th Ave. Paving Dist. 1, asphaltic pavement on macadam, to R. M. Larson, 1309 Kalamath St., $33,846. Noted May 11.

Idaho, Lewiston—Comr. Pub. Wks., 202 Pioneer Bldg., grading and building structures on 8.89 mi. Federal Aid Project 58, 74,300 cu.yd. earth and 40,100 cu.yd. rock excav., 158 cu.yd. concrete, 78,600 sta.yd. overhaul, etc., to C. H. Helmer, Idaho Hotel, Boise, $57,250.

Wash., Bellingham—Whatcom Co., grading and small bridges on 1.5 mi. Wickersham-Lake Whatcom Rd., also grading 3.5 mi. Deming-Glacier Highway, to Kraemer & Knight, Bellingham, $25,854 and $46,000, respectively.

Wash., Montesano—Grays Harbor Co., reconstructing 3 mi. Ocean Beach Highway and building bridge over Bernard Slough, to Herren & Ewart, Aberdeen, $25,500. Noted Feb. 23.

Wash., Tacoma — Resurfacing Pacific Ave., 2 in. warrenite bitulithic on old brick, to Albertson, Cornell & Walsh, 12th and Pacific Sts. $34,000. Noted May 4.

Cal., Merced—To Valley Paving & Constr. Co., Visalia, improving 16th St. and alleys, 32,314 sq.ft. grading at $0.029, 25,599 sq.ft. alley paving $0.20, 8,715 sq.ft. street paving $0.219; J St. and alleys 85, 110, 111, 121, 122, 148, 160 and 188, 158,931 sq.ft. grading $0.04, 96,000 sq.ft. alley paving $0.20, 62,913 sq.ft. street paving $0.219; 21st St., 19,200 sq.ft. grading $0.035, 19,200 sq. ft. street paing $0.219; 23rd St., 136,923 sq. ft. grading $0.04, 136,023 sq.ft. street paving $0.219. All streets to be paved with 1½ in. warrenite bitulithic on 3½ in. asphaltic concrete, alleys with 1½ warrenite bitulithic on 2½ in. asphaltic concrete. Noted May 4.

Cal., Newport Beach—Paving with concrete Central Ave., et al., 47,628 lin.ft. concrete curbing, 74,028 lin.ft. cement sidewalks, 368,755 sq.yd. 5 in. and 812,438 sq.yd. 8 in. concrete base, to Independent Asphalt Paving Co., Seaboard Bldg., Seattle, Wash., $459,961. Noted May 11.

Cal., Santa Cruz—Santa Cruz Co., constructing 3.549 mi. Boulder Creek Rd., concrete, to W. E. Miller, 81 Church St., $84,563; Watsonville-Chittenden Rd., concrete, to Franite Constr. Co., Watsonville, $85,419; 1.36 mi. from Watsonville to present pavement on Watsonville-Chittenden Rd., oil macadam, to Granite Constr. Co., Watsonville, $15,755.

Ontario—United counties of Stormont, Dundas and Glengarry, to F. M. Eagleson, Winchester, Rd. 1 from Hainsville southerly, 1,000 cu.yd. loose crushed stone, $3.30 per cu.yd., Contr. 9, Matilda, 1,500 cu.yd. stone, $2.35, Winchester Springs, to front of Contr. 7, $2.25, Rd. 26, Winchester-Mountain boundary, 1½ mi. waterbound macadam, $2.35; S. Gauthier, Moose Creek, 2 culverts on Rd. 26, 132 cu.yd. concrete; Quinn & Bonnerville, Cornwall, Rd. 84, Contr. 5, 1¼ mi. waterbound macadam, Cornwall Twp., $2.10 per sq.yd., Rd. 10, Eamers Corners easterly, 2,000 cu.yd. loose crushed stone, $1.60, Rd. 18, St. Andrews easterly, 3,000 cu.yd. loose crushed stone, $1.50; A. McCallum, Apple Hill, Rd. 101 from Rd. 16 westerly, 2½ mi., waterbound macadam, $1.90; N. McDonald, Alexandria, Rd. 25, Contr. 5, 1¼ mi. waterbound macadam, Lancaster Twp., $1.95 per sq.yd., Rd. 18 from point ½ mi. west of North Lancaster westerly 1 mi., 1,200 cu.yd. crushed stone, $1.40.

Ontario—Dept. Pub. Highways, Parliament Bldgs., Toronto, 4 mi. asphalt paving 24 ft., at Ancaster Hill, to Provincial Contg. Co., 24 Adelaide St. W., Toronto, $250,000.

Ont., Chatham—Kent Co., 1¾ mi. concrete highway, to Merlo, Merlo & Ray, Sandwich St., Windsor, $2.63 per sq.yd.; 5½ mi. to J. E. Caughey, Wallaceburg, $2.16 per sq.yd. Prices wanted on materials.

Ont., Chatham—Paving 1¾ mi. Dover town line, concrete, to S. P. West, c/o W. G. McGeorge, engr., 153 Queen St., $1.90 per sq.yd.

Ont., Kingsville—Paving 26,000 sq.yd. Division, Main, Mill, Pearl, Maple and Main Sts., 2 in. asphalt on 6 in. concrete, to Merlo, Merlo & Ray, Ford, $110,000.

Ont., Simcoe—Norfolk Co. will build tarvia macadam roads, by day labor. $100,000. G. W. Marston, County Bldg., engr.

Ont., Toronto—Paving Teraulay St. from College to St. Joseph Sts., to Constr. & Paving Co., Confederation Life Bldg., $46,318; Teraulay St. from St. Joseph to Bloor Sts., to Godson Contg. Co., Manning Chambers, $36,786. Both asphalt on 6 in. concrete. Noted April 20.

Ont., Toronto—To Godson Contg. Co., Manning Chambers, paving Austin Crescent, Austin Terrace and Blackthorn Ave., $26,400; Kilmer & Barber, 24 Adelaide St. W., Beachview and Fairmount Crescents, Hillingdon Ave., Gerrard and George Sts., $78,100; Constr. & Paving Co., Confederation Life Bldg., Cluny Dr. and Dewson St., $20,300; Comr. Pub. Wks., City Hall, Bowmore Rd., $21,000; Warren Bituminous Paving Co., 54 University Ave., various streets, $87,000. Noted April 13.

Ont., Welland—R. Copper, clk. Welland Co., waterbound macadam roads as follows: 3 mi. in Crowland Twp. and 2 mi. in Thorold Twp. to J. Pirson, Welland, c/o R. N. Rutherford, engr., St. Catharines, $8,490 per mi.; 1½ mi. Humbertson Twp. and 2 mi. Bertie Twp., to E. G. Law, 107

Streets and Roads (Continued)

Hillsdale Ave. E., Toronto, $6,000 and $15,750 per mi. respectively; 1¼ mi. Stamford Twp., to Dufferin Constr. Co., Brass Bldg., Toronto, $7,500 per mi.; 1¼ mi. Pelham Twp., to Archibald Constr. Co., Toronto, $13,990 per mi. Noted April 20.

Industrial Works

PROPOSED WORK

Me., Lewiston—Bates Mfg. Co. plans large factory addition.

Me., Pittsfield — Amer. Woolen Co., Lawrence, soon lets contract 3 story, 50 x 90 ft. brick and timber addition to Waverly Mills, here. $40,000. Private plans.

N. Y., Alden—See "Buildings."

N. Y., Buffalo—Hotel Statler, Inc., Washington and Swan Sts., plans brick garage, 800 car capacity, Mohawk St.

N. Y., Clyde—A. D. Collier and associates plan modern cold storage plant, 60,000 bbl. capacity. $180,000-$200,000. Architect not selected.

N. Y., Geneva—De Zeng-Standard Co., East State and 20th Sts., Camden, N. J., plans factory, here. $40,000-$50,000.

N. Y., New York—Dochterman Realty Co., c/o J. M. Felson, archt. and engr., 1133 Bway., soon takes bids 2 story, brick, steel and stone garage, plain foundation, 11 Jane St. $100,000.

N. Y., Syracuse—Gere & Willis, 320 West Genesee St., plan garage, repair shop and service station on 60 x 264 ft. site, West Genesee St. $100,000.

Pa., Pittsburgh — Fleischmann Co., 701 Washington St., New York, having plans prepared by L. L. Tieman, archt., c/o owner, 2 story, 75 x 175 ft. brick and steel garage and warehouse, Allegheny and Western Aves., here. $50,000.

Pa., Reading — Reading Casting Co., Reading, plans to rebuild factory recently destroyed by fire. $40,000.

Pa., Rochester—Amer. Borax Co. Inc., c/o W. C. McKinney, dir., 6334 Forbes St., Pittsburgh, plans 3 story, 400 x 600 ft. brick and steel factory. $150,000. Architect not announced.

Pa., Williamsport—C. F. Dietrick, Pine St., plans 2 story, 90 x 150 ft. rein.-con., brick and steel garage and repair shop, Hepburn St. $100,000.

Va., West Point—Chesapeake Corp. plans mill. $200,000-$250,000. W. C. Gouldman, secy. Architect not selected.

Ky., Jackson—Jackson Lumber & Supply Co., plans to rebuild lumber mill, recently destroyed by fire. $130,000. W. C. Cole, mgr.

O., Cleveland—Kaase Co., 2836 Lorain Ave., having plans prepared by W. D. Guion, archt., 640 Engineers Bldg., 2 story, 150 x 200 ft., brick and steel bakery addition. $100,000. C. Kaase, pres.

O., Cleveland — I. Margolin, 10527 Churchill Ave., having plans prepared by M. Weis, archt., Union Bldg., 2 story, 50 x 123 ft., brick, steel and concrete garage, East 105th St. $60,000.

Wis., Glendale—H. Wheeler, Trippville, plans 1 story, 75 x 80 ft. blacksmith and machine shop, brick and rein.-con.. plain foundation. $40,000. Architect not selected.

Wis., Wauwatosa—Milwaukee Co., c/o Bd. Trustees, Wauwatosa, having plans and specifications prepared by F. A. Vaughn, Inc., engrs., 290 3rd St., Milwaukee, central power and heating plant at Poor Farm, here, 500 kw. engine-generator set, 400 hp. boilers. W. L. Coffey, mgr. county institutions.

Mo., Cameron—Cameron Elevator Co. having plans prepared by Monolith Builders, Inc., archts. and engrs., 509 Mutual Bldg., Kansas City, 2 story, 30 x 140 ft., rein.-con. warehouse and elevator.

Cal., San Francisco—Italian-Amer. Cigar Co., 419 Jackson St., had plans prepared by I. Zanolini, archt., 604 Montgomery St., 4 story, rein.-con. factory, Vallejo and Battery Sts. $160,000.

Ont., Thessalon—Town plans developing 200 hp. at Little Rapids on Thessalon River, to incl. power house, dam, turbine, transmission line, etc. $50,000. J. O. Coulter, clk.

BIDS DESIRED

N. Y., Newark—Phillips-Werth Optical Co., Rochester, receiving bids 55 x 175 ft. factory, Willow Ave. and West Main St., here. To exceed $40,000. Private plans.

N. Y., New York—See "Buildings."

N. J., Belleville—Thompson Machine Co. taking bids 2 story, rein.-con. factory. $150,000. Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, Conn., archts. and engrs.

D. C., Wash.—Power House—June 5, by Dist. Comrs., 509 Dist. Bldg., power house, complete, incl. mechanical equipment and radial brick stack, at Gallinger Hospital, 19th and Massachusetts Ave.

N. C., Middlesex—See "Miscellaneous."

O., Cleveland—A. Sogg, archt., 319 Hippodrome Bldg., taking bids and opens same about June 7. 2 story, 36 x 130 ft., dairy plant, brick and concrete, 10712 Superior Ave., for Rothkopf Bros., 6112 Central Ave. $75,000. Noted May 4.

O., Lakewood (Cleveland, P. O.)—W. C. Schultz, 11,913 Detroit Ave., taking bids 1 story 76 x 97 ft., brick and steel garage and commercial building, Detroit and Cove Aves. $40,000. O. N. Chamberlin, 1532 Spring Garden Ave., archt.

Wis., Kenosha—E. B. Moericke, 915 Salem Ave., taking bids 1 story, 50 x 125 ft. brick, rein.-con. and steel garage, plain foundation. $50,000.

Wis., Milwaukee—June 5, by H. J. Esser, archt. and engr., 82 Wisconsin St., 1 story, 117 x 200 ft. brick and steel plant, Humbolt Ave., for Claybourn Process Co., c/o architect.

Wis., Milwaukee—June 16, by Sewerage Comn., 580 Market St., superstructures for main power house and boiler plant, 1 story, 90 x 225 ft. and 68 x 166 ft. brick and steel, on Jones Island. Foundation and steel work already awarded. T. C. Hatton c/o Sewerage Comn., engr.

Minn., St. Paul—See "Miscellaneous."

Cal., Merced — Merced Irrigation Dist., receiving bids and opens same about June 6, 1 story, garage and machine shop, hollow tile and steel. I. W. Hoover, Planada, archt.

BIDS RECEIVED

N. Y., Brooklyn—G. A. Whalen, comr. Plant & Structures, Municipal Bldg., New York, opened bids May 26, housing station for Dept. Street Cleaning, at 19th Ave. between 55th and 58th Sts., here, from T. A. Reilly Co., 48 East 41st St., New York, $79,131; Lustig & Weil, 103 Park Ave., New York, $84,400; B. Diamond, $85,500. Noted May 18.

CONTRACTS AWARDED

Mass., Springfield—Springfield Catholic Diocese, Eliott St., 1 story, 40 x 180 ft. brick and steel laundry, at Catholic Home, Wilbraham St., to G. P. Sampson, 67 Thompson St., $40,000.

Conn., Hanover—Airlie Mills 2 story, 60 x 230 ft. brick and steel factory addition, plain foundation, to Berlin Constr. Co., Berlin, $85,000. Masonry contract sub-let to D. O'Brien & Sons Co., 118 Asylum St., Hartford.

N. Y., Brooklyn—Great Atlantic & Pacific Tea Co., 150 Bay St., Jersey City, N. J., 1 story, 62 x 100 ft. warehouse addition and new 5 story, 100 x 290 ft. warehouse, rein.-con. and steel, concrete pile foundation, Myrtle Ave. and Decatur St., here, to Turner Constr. Co., 244 Madison Ave., New York.

N. Y., New York—W. Hobson, c/o H. Chapman, archt. and engr., 315 5th Ave., 9 story, 50 x 100 ft., rein.-con. and steel warehouse, concrete pile foundation, Jerome Ave. and 181st St., to Turner Constr. Co., 244 Madison Ave.

N. Y., New York—New York Edison Co., Irving Pl. and 15th St., 1 story, brick and concrete sub-station 40th St. and 1st Ave., to W. L. Crow Constr. Co., 103 Park Ave., $250,000.

N. J., Camden—W. C. Davis, 1 story, 45 x 100 ft., brick and steel garage, plain foundation, 1388 Haddon Ave., to A. H. Mooreshead, 67 Laurel St., Phila., $60,000.

N. J., Camden—Haddon Press Co., New Park Ave. and Whitehorse Pike, 1 story, 90 x 440 ft. printing plant, rein.-con., brick and steel, plain foundation, 19th and Federal Sts., to Austin Co., Bulletin Bldg., Phila., $225,000.

N. J., Newark—Great Atlantic & Pacific Tea Co., 150 Bay St., Jersey City, 1 story, 135 x 146 ft., rein.-con. and steel addition, concrete pile foundation, Sherman Ave. and Peddie St., here, to Turner Constr. Co., 244 Madison Ave., New York, $75,000.

N. J., Nutley—G. La Monte & Sons Co., Kingsland Rd., 1 story, 60 x 100 ft. paper factory and 2 story, 60 x 80 ft. office building, brick and steel, plain foundations, to H. L. Doremus, 36 Orange St., Newark, $60,000.

Pa., Bradford—Bradford Refining Co., Newell Bldg., brick refinery, Foster Brook, to E. N. Unruh, Bradford, to exceed $50,000.

Pa., Phila.—G. W. Lindsay, 5120 Wakefield St., 2 story, 40 x 100 ft., brick and steel factory, plain foundation, 5116 Wakefield St., to J. W. Futh, 5817 Osceola St.

Pa., Phila.—I. Revoniwitz, c/o J. E. Fieldstein, archt., Otis Bldg., 4 story, 35 x 90 ft. rein.-con. and brick warehouse, wood pile foundation, Front and Pine Sts., to Pierce-Henon Co., Juniper and Pine Sts.

Pa., Phila.—Thompson Printing Co., 312 Cherry St., 5 story, 80 x 120 ft., rein.-con. and brick plant, 1127 Callohill Ave., to Barclay-White & Co., 1713 Sansom St. $200,000.

O., Cleveland—A. and B. Box Co., 8628 Woodland Ave., 1 story, 90 x 183 ft., brick and steel factory, 1190 East 152nd St., to Rice-Jones Co., 1836 Euclid Ave. Noted May 4.

O., Cleveland—Sands Mfg. Co., 5307 Sweeney Ave., 2 story, 65 x 100 ft., brick and timber factory, East 55th St. and Sweeney Ave., to Dresser-Minton Co., The Arcade, $40,000.

O., Cleveland—H. M. White Music Co., 5229 Superior Ave., 3 story, 30 x 115 ft., brick and steel factory, East 53rd St. and Superior Ave., to A. W. Laws, 2206 East 93rd St., $50,000.

O., Dayton—Dayton Biscuit Co., Webster St., 3 story, 75 x 90 ft., rein.-con., brick and steel factory, plain foundation, to Frank Hill Smith, Inc., Winters Bank Bldg., $75,000.

Wis., Milwaukee — Milwaukee Electric Railway & Light Co., Pub. Serv. Bldg., 1 story, 40 x 60 ft., and 50 x 60 ft., additions to turbine room and switchhouse, brick and concrete, plain foundations, to Meredith Bros., 1043 Kinnicinnic Ave.

Wis., Milwaukee — Nash Motors Co., Clement Ave., 3 story, 100 x 400 ft., brick and steel addition to factory, plain foundation, to Worden-Allen Co., Port Washington Ave. $250,000.

Wis., Milwaukee—The Van Buren Garage Co., Martin and Van Buren Sts., 1 and 2 story, 90 x 126 ft., brick and concrete garage, plain foundation, Van Buren St., to Grether Constr. Co., 1121 2nd St. $65,000.

Ia., Atlantic—Shrager & Johnson, general contract 1 story, factory, brick and concrete, to J. A. Tusant & Sons, 330 Southwest 3rd St., Des Moines, $30,546.

Ont., Brantford—F. C. Bodley, archt., Commercial Chambers, 2 story, 50 x 60 ft. concrete, brick and steel factory, to A. J. Cromar, 448 Colborne St., for Dominion Dress Goods Co., 179 Dalhousie St., $40,000. Noted April 20.

Ont., Peterboro—Western Clock Co., 383 George St. S., 4 story, 50 x 160 ft., 1 story, 80 x 80 ft. and 1 story, 40 x 40 ft. factory buildings, brick and steel, general contract to Sullivan & Fried, 81 Victoria St., Toronto, plumbing and heating, to E. Hensley, 444 George St.; electric work, to C. Bowra, 92 Brock St., Oshawa. Total $180,000.

Buildings

PROPOSED WORK

Mass., Boston—Hotel—Statler Hotels Co., Hotel Pennsylvania, 33rd St. and 7th Ave., New York, having preliminary plans prepared by G. B. Post & Sons, archts. and engrs., 101 Park Ave., New York, brick, stone and steel, Arlington St., Columbus and St. James Aves, here. $8,000,000. E. M. Statler, pres.

Mass., Worcester — Business — Hadley Furniture Co., 615 Main St., plans 5 story, 135 x 150 ft. rein.-con. and brick, Main and Madison Sts. Architect not announced.

Mass., Worcester — Church — Grace Church, c/o H. D. Brewer, chn. building com., 19 Oxford St., plans 1 story church, $300,000. Architect not selected.

Conn., Bridgeport—Y. W. C. A., 263 Golden Hill St., having plans prepared by E. B. Caldwell, Jr., archt., 886 Main St., 4 story, 55 x 120 ft., brick and steel, Park Ave. $150,000. Noted Feb. 2.

Conn., Manchester — Apartment — Manchester Constr. Co., Inc., Mid. Tpk., plans apartment house, Chestnut St. $200,000. Architect not announced.

N. Y., Albany—Restaurant and Office—Childs Co., 200 5th Ave., New York, hav-

Buildings (Continued)

ng plans prepared by Dennison & Hirons, archts. and engrs., 475 5th Ave., New York, ; story, brick, steel and stone, plain foundation. here.

N. Y., Albany—Schools—Bd. Estimate & Apportionment having plans prepared by Nichols & Gardiner, archts., 45 Maiden Lane, additions to P. S. 19; by T. L. G. Gleason, archt., 45 Maiden Lane, for 13th Ward School; by M. T. Reynolds, archt., 100 State St., for P. S. 4; by A. L. Delahanty, archt., 17 Steuben St., new Yardboro Ave. School. To exceed $150,000.

N. Y., Alden—Administration, etc.—Erie Co. (Buffalo) having plans prepared by W. J. Beardsley, archt., at office of G. Diehl, co. engr., Ellicott Sq., Buffalo, administration building, shop, laundry, bakery, womens and juvenile buildings. To exceed $150,000.

N. Y., Astoria (Long Island City P. O.)—Theatre—J. Kneer Amusement Corp., c/o R. D. Kohn, archt. and engr., 56 West 45th St., New York, having plans prepared, brick, steel and stone, plain foundation, Bway. and 3rd Ave., here. $250,000.

N. Y., Binghamton—Theatre—O. S. Hathaway, Stone Opera House, plans motion picture theatre, Washington St. $300,000.

N. Y., Buffalo—Church—Lafayette Baptist Church Assn., 272 Lafayette Ave., plans new church. $150,000. Architect not announced.

N. Y., Corning—Hospital—Bd. Dirs. Corning Hospital plans 4 story brick addition. $150,000-$175,000.

N. Y., Derby—Clubhouse and Hotel—Woodcliffe Club, Inc., plans modern clubhouse and hotel, on E. Goespfert Estate. To exceed $150,000. Architect not announced.

N. Y., Geneva—High School—Bd. Educ. had plans prepared by W. Potter, archt., 22 East 17th St., New York, and takes bids late in summer for new high school. $400,000-$450,000. Noted April 27.

N. Y., Hamburg—High School—Bd. Educ. having plans prepared new high school. $200,000. A. C. Parsons, pres.

N. Y., Jamestown — Church — Presbyterian Church, Inc., c/o G. MacClelland, pastor, plans new church. To exceed $175,000.

N. Y., Jamestown—High Schools—Voted $750,000 bonds for 2 new junior high schools.

N. Y., Johnson City—Business—R. A. Hancock, Main St., plans business block. $150,000-$160,000.

N. Y., New York—Bank and Office—New Pine St. Real Estate Corp., c/o Cross & Cross, archts. and engrs., 681 5th Ave., soon takes bids altering 4 story, brick and steel, 31 Pine St. $200,000.

N. Y., New York—Store—J. Silverson, c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., having sketches made several 1 story, 80 x 190 x 195 ft., brick, steel and stone, plain foundation, West Burnside Ave. $150,000.

N. Y., New York—Theatre—Meltzer-Rheinhorn & Silverman, c/o G. and E. Blum, archts. and engrs., 505 5th Ave., having plans prepared 1 story, brick, steel and stone, plain foundation, Tremont and Webster Aves. $175,000.

N. Y., New York—Theatre and Office—M. M. Glaser, c/o G. and E. Blum, archts. and engrs., 505 5th Ave., having plans prepared altering 4 story, brick, steel and stone, 23rd St. and 8th Ave. $250,000.

N. Y., Niagara Falls—High School—Bd. Educ. having plans prepared by W. B. Ittner, archt., Bd. Educ. Bldg., St. Louis, Mo., and Associated Architects of Buffalo, new high school, to replace one destroyed by fire. $400,000.

N. Y., Niagara Falls—Hotel—J. F. McDonald, Jewett Blk., plans to build modern hotel, Falls St., to replace one destroyed by fire several years ago. To exceed $150,000.

N. Y., Old Forge—Store and Office—M. A. Cohen, 15 Cottage Pl., Utica, plans rebuilding 5 story, tapestry brick, concrete and steel recently destroyed by fire, here. $150,000-$200,000.

N. Y., Port Jervis—High School—Bd. Educ. having plans prepared by Tooker & Marsh, archts. and engrs., 101 Park Ave., New York, brick, steel and stone, plain foundation. $400,000.

N. Y., Rochester — Hotel — Rochester Hotel Corp., Main St., W., plans 45 x 95 ft. brick and steel addition to Hotel Seneca, 179 ft. high. $320,000. J. N. Beckley, 325 Cutler Bldg., agt. Architect not announced.

N. Y., Rochester—School—Bd. Educ. plans 166 x 186 ft. brick addition, 36 ft. high, to P. S. 43, Field Rd. $475,000. Architect not announced.

N. Y., Saranac Lake—Church—St. Annes Catholic Parish, St. Regis Falls, plans tile concrete, stone and steel church, here. $175,000-$200,000.

N. J., Newark—Apartment—J. Lichtman, c/o F. Grad, archt. and engr., 245 Springfield Ave., soon takes bids 5 story, brick, steel and stone, plain foundation, High St. $250,000.

N. J., Newark—Clubhouse—B. P. O. E., 27 Green St., plans brick, steel and stone, plain foundation, Broad and Camp Sts. $1,000,000. N. Albrano, secy. building com. Architect and engineer not selected.

Pa., Ambridge—High School—Bd. Educ. having plans prepared by W. W. Williams, archt., 309 4th Ave. Pittsburgh, 2 story, $150,000.

Pa., Bradford — Business — C. Samuels, 512 West 3rd St., Jamestown, N. Y., and H. Levy, 30 Boyiston St., Bradford, plan 6 story, brick, Congress St., here. Exceed $150,000. Private plans.

Pa., Corry — Temple — Masonic Bldg. Corp., plans 4 story temple, North Center St. $150,000. Architect not announced.

Pa., Erie—Auditorium—T. E. Hitch, c/o Brunswick Bowling Alleys, plan 120 x 155 ft. athletic auditorium, 9th and Peach Sts. $150,000. Architect not announced.

Pa., Erie—Court House—J. A. Leslie, controller Erie Co., received no bids May 22, altering and building new concrete, brick and steel addition to court house. $500,000. Work will be readvertised. W. A. Frank, 11 Scott Bldg., archt. Noted May 4.

Pa., Indiana—Theatre, Office, etc.—Jefferson Theatre Co., c/o Penn McCartney, Punxsutawney, having plans prepared by Powell Bros., archts., Punxsutawney, 3 story, 71 x 201 ft. rein.-con., brick and steel. $165,000.

Pa., Monaco—High School—Bd. Educ. having plans prepared by J. H. Phillips, archt., Fulton Bldg., Pittsburgh 2 story 127 x 132 ft. $150,000. Noted April 20.

Pa., Newcastle—Temple—Scottish Rites Bodies, F. & A. M., plan temple, Highland and Lincoln Aves. $1,000,000. J. B. Bechto, Newcastle, secy. R. G. Schmidt, 152 West Randolph St., Chicago, archt.

Pa., Phila.—Armory and Recreation—Girard College, Girard Ave. and Corinthian St., soon lets contract 2 story, 145 x 300 ft. rein.-con., brick, steel and stone, plain foundation, Girard Ave. and Corinthian St. $1,500,000. J. T. Windrim, Commonwealth Bldg., archt.

Pa., Phila. — Museum — University of Pennsylvania, c/o J. A. Gordon, Research Bldg., plans addition to museum, 34th and

GENERATORS, EQUIPMENT, ETC.—SAN FRANCISCO, CAL.

Bids were opened by Bd. Pub. Wks., Apr. 12, for furnishing and delivering electric generators and accessory equipment for Moccasin Creek Power Plant, Contr. No. 80, Hetch Hetchy Water Project, from (A) Westinghouse Electric & Mfg. Co., First Nat'l. Bank Bldg. (awarded contract); (B) General Electric Co., Rialto Bldg.; (C) Allis-Chalmers Co., Rialto Bldg. The unit bids were as follows:

	A	B	C
Proposition A			
1. (240 R.P.M.)			
(a) Each of first two units	$81,175.00	$68,890.00	$79,515.00
(b) Third unit	72,750.00	62,085.00	73,535.00
(c) Fourth unit	72,750.00	62,085.00	73,310.00
2. One motor generator exciter set	6,495.00	6,185.00	4,870.00
Proposition B			
1. (257 R.P.M.)			
(a) As above	78,750.00	66,865.00	77,500.00
(b) As above	70,350.00	60,185.00	71,435.00
(c) As above	70,350.00	60,185.00	71,210.00
2. As above	6,495.00	6,185.00	4,870.00
Proposition C			
1. (225 R.P.M.)			
(a) As above	83,400.00	69,565.00	80,735.00
(b) As above	74,950.00	62,735.00	74,450.00
(c) As above	74,950.00	62,735.00	74,225.00
2. As above	7,120.00	6,181.00	4,870.00

WATER WHEELS AND VALVES—SAN FRANCISCO, CAL.

Bids were opened by Bd. Pub. Wks., Apr. 12, for furnishing and delivering water wheels and valves for Moccasin Creek Power Plant, Contr. No. 79A, Hetch Hetchy Water Project, from (A) Pelton Water Wheel Co., 19th and Harrison Sts. (awarded contract); (B) Allis-Chalmers Co., Rialto Bldg. The unit bids were as follows:

	A	B
Proposition A (240 R.P.M.)		
Water wheels complete with all auxiliaries and individual oil pressure sets		
(a) Each of first two units	$70,150.00	$82,750.00
(b) Third unit	62,400.00	72,000.00
(c) Fourth unit	62,400.00	71,500.00
Proposition A—Alternates		
As above but with central oil pressure system		
(aa) Each of first two units	74,100.00	84,500.00
(bb) Third unit	59,400.00	74,500.00
(cc) Fourth unit	59,400.00	74,000.00
Proposition B (257 R.P.M.)		
With individual oil pressure sets		
(a)	66,100.00	81,500.00
(b)	58,300.00	70,500.00
(c)	58,300.00	70,000.00
Proposition B—Alternates		
With central oil pressure system		
(aa)	70,100.00	83,500.00
(bb)	55,300.00	72,500.00
(cc)	55,300.00	72,250.00
Proposition C (225 R.P.M.)		
With individual oil pressure sets		
(a)	74,500.00	84,500.00
(b)	66,500.00	73,500.00
(c)	66,500.00	73,250.00
Proposition C—Alternates		
With central oil pressure system		
(aa)	78,150.00	86,500.00
(bb)	63,500.00	75,500.00
(cc)	63,500.00	75,000.00
Proposition D—(Speed not specified)		
With individual oil pressure sets		
(a)		72,250.00
(b)		64,500.00
(c)		64,500.00

VALVES—SAN FRANCISCO, CAL.

Bids were opened by Bd. Pub. Wks., Apr. 12, for furnishing and delivering eight 36-in. gate valves with hydraulic operating cylinders for Moccasin Creek Power Plant, Contr. No. 79B, Hetch Hetchy Water Project, from (A) Coffin Valve Co., Monadnock Bldg. (awarded contract); (B) Bethlehem Co.; (C) Pelton Water Wheel Co., 19th and Harrison Sts. The unit bids were as follows:

	A	B	C
Proposition "I"			
Applies if bidder furnishes valves only			
(a)	$4,960.00	$6,396.50	$6,425.00
(b)	4,435.00	6,110.00	6,205.00
(c)	4,435.00	6,110.00	6,205.00

Buildings (Continued)

Spruce Sts. $700,000. Stewartson & Page, 316 Walnut St., archt.

Phila., Pa.—Sales, etc.—H. S. French, c/o P. H. Tyre, archt., 1509 Arch St., soon receives bids 5 story, 80 x 100 ft. rein.-con. and brick sales and service building, plain foundation, Girard and Frankford Aves. $250,000.

Pa., Pittsburgh — Bank — Exch. Natl. Bank, 240 5th Ave., having plans prepared by Weary & Alford, archts., 1923 Calumet Ave., Chicago, 7 story, 40 x 120 ft. brick, steel and stone, 5th Ave. near Wood Ave. $350,000.

Pa., Pittsburgh—Community—East End Christian Church, c/o J. Ewers, pastor, 5510 Wilkins Ave., receiving competitive sketches for 4 story 40 x 50 ft. community house, Alder St. $150,000.

Pa., Pittsburgh—Synagogue—Beth Shalom Congregation, 5806 Forbes St., soon lets contract 3 story, 50 x 95 ft. brick and limestone, Beacon and Shady Sts. $250,000. Sharove & Friedman, Berger Bldg., archts.

Pa., Sewickley—High School—Bd. Educ. having plans prepared by P. C. Dowler, archt., Magee Bldg., Pittsburgh, brick and stone. $250,000.

Md., Hagerstown—Bank and Office—Maryland Security & Trust Co., 83 West Washington St., having preliminary plans prepared by Simons Brittain & English, Inc., archts. 336 4th Ave., Pittsburgh, 8 story bank and office. $400,000.

W. Va., Bluefield—Bank and Office—Beckley Natl. Bank having plans prepared by R. M. Bates, archt., 1st Natl. Bank Bldg., Huntington, 8 story, 50 x 70 ft., brick and stone, Fayette and Main Sts. $175,000.

W. Va., Welch — Hotel — Carter Hotel Co., having plans prepared by Garry & Sheffey, archts., Bluefield, 5 story, 72 x 85 ft., Bank and McDowell Sts. $200,000.

N. C., Greenville—Dormitory—East Carolina Teachers College plans dormitory and addition to administration building, probably brick. $175,000. R. H. Wright, pres. H. A. Underwood, 227 Forest Rd., Raleigh, archt.

Fla., West Palm Beach—High School—Palm Beach Co. School Bd. voted $150,000 bonds to construct high school. A. Bailard, supt.

O., Cleveland—Apartment—G. Tipling, 407 Rockwell Ave., had plans prepared by E. E. Smith, archt., Williamson Bldg., 3 story, 38 x 154 ft., brick and steel, plain foundation, 2033 East 77th St. $150,000.

O., Cleveland—Commercial—Gund Co., Davenport Ave., having plans prepared by C. G. French, archt., Plymouth Bldg., 3 story, 54 x 100 ft., brick and steel, 2540 Prospect Ave. $150,000.

O., Cleveland — Commercial — Murphy Hotels Corp., c/o W. L. Murphy, Gillsy Hotel, having plans prepared by G. F. Hammond, archt., Center Ridge Rd., 3 story, brick, steel and concrete, plain foundation, Chester Ave. near East 9th St. $150,000.

O., Cleveland—Office—Cleveland Aviation & Athletic Club, c/o H. W. Harris, vice pres., Winton Hotel, having plans prepared by A. W. Harris, archt., Discount Bldg., brick, steel and concrete. $5,000,000.

O., Delaware—College—Ohio Weslyan University having revised plans prepared by C. S. Schneider, archt., 2250 Euclid Ave., Cleveland, 2 story, 150 x 200 ft., brick, stone and concrete, on campus. $200,000.

O., Lakewood (Cleveland P. O.)—Commercial and Lodge—I. O. O. F., c/o G. Hauser, 14528 Detroit Ave., plans 3 story, brick, steel and concrete, plain foundation, Detroit Ave. near Marlowe Ave. $150,000. Private plans.

O., Mt. Vernon—High School—Bd. Educ. having plans prepared by T. B. McLaughlin, archt., Savings Bldg., Lima, 2 story high school. $375,000.

O., Port Clinton—Amusement—White City Beach Co., Inc., plans several buildings, on Catawaba Island, near here. $200,000. Architect not announced.

O., Portsmouth—Synagogue—Beni-Abraham Congregation having plans prepared by Pretzinger & Musselman, archts., 1155 Reibold Bldg., Dayton, concrete, brick and stone. $150,000.

O., Wooster—High School—Bd. Educ. having plans prepared by T. R. Ridley, archt., 502 Ohio Bldg., Akron, 2 story, brick, concrete and stone. $150,000.

Ind., Crown Point—Sanitarium—Comrs. Lake Co. having revised plans prepared by N. L. Smith, archt., Crown Point, 2 story, 75 x 125 ft. and 2 story, 70 x 115 ft., brick. Former bids rejected. $300,000. Noted March 9.

Ill., Chicago — Church — Z. T. Davis, archt., 400 North Michigan Ave., soon receives bids remodeling 3 story, 110 x 195 ft., rein.-con., brick and steel, 47th St. and Ellis Ave., for St. Ambrose Catholic Parish, 47th St. and Ellis Ave. $250,000.

Ill., Chicago—Church—I. V. Naess & Co., archts., 400 South Michigan Ave., preparing plans 2 story, rein.-con., brick and steel, 64th St. and Kenwood Ave., for Emanuel English Lutheran Congregation, c/o architects. $150,000.

Ill., Chicago—Store and Office—F. J. Teich, archt., 305 South La Salle St., soon receives bids 3 story, 83 x 150 ft., rein.-con., brick and steel, Winthrop and Lawrence Aves., for Lawrence Avenue Trust Co. c/o architect. $150,000.

Ill., Evanston—Apartment—J. A. Nyden, archt., 190 North State St., Chicago, preparing plans and soon receives bids 3 story, 80 x 120 ft., rein.-con., brick and steel, Main St. near Hinman Ave., here, for Main Street Building Corp., c/o architect. $200,000.

Ill., Evanston—Store and Hotel—J. A. Nyden, archt., 190 North State St., Chicago, preparing plans and soon takes bids 5 story, 60 x 175 ft., rein.-con., brick, and steel, Main St. and Hinman Ave., here, for Main Street Building Corp., c/o architect. $350,000.

Ill., Evanston—Theatre and Hotel—Main Street Building Corp., c/o J. A. Nyden, archt., 190 North State St., Chicago, plans 5 story, 180 x 187 ft., rein.-con., brick and steel, Main St., near Chicago Ave., here. $2,000,000.

Minn., Duluth—Jail—F. W. Borgen, aud. St. Louis Co., rejected bids opened April 14, 4 story, rein.-con., brick and steel, West 2nd St. (Work deferred for year.) Noted March 23.

Mo., Kansas City—Hotel—B. L. Hoffman, 203 Ridge Arcade, having preliminary plans prepared by Greenebaum, Hardy & Schumacher, archts., 216 Scarritt Bldg., 6 story, 67 x 135 ft., rein.-con., brick, stone and terra cotta, Armour Blvd. and Locust St. $200,000.

Mo., Springfield—Lodge—Brotherhood of Amer. Yoemen, Des Moines, Ia., plans yoemen colony building, brick, concrete pile foundation, near here. $400,000. G. N. Frink, 1368 East 9th St., Des Moines, Ia., pres. Architect not selected.

Cal., Sacramento—Lodge—Elks Lodge of Sacramento, Elks Bldg., plans 6 story, 80 x 160 ft., 8th and K Sts. $500,000. Architect not selected.

Cal., San Francisco—Apartment—G. W. Burnett, c/o C. H. Skidmore, archt., Call Bldg., having plans prepared for 6 story, rein.-con., Pacific Ave. and Octavia St. $250,000.

Cal., San Francisco—Cathedral—Scottish Rite A. & A. S. R., California Bodies, plan cathedral. $1,000,000. Weeks & Day, Phelan Bldg., archts.

Ont., London—City Hall—Having plans prepared by A. M. Piper, archt., City Hall, and takes bids end of June new stone city hall, Dundas St. $300,000. Prices wanted on all materials.

Ont., Toronto — School — Bd. Educ., 155 College St., having plans prepared by W. W. Pearse, archt., 155 College St., 10 room concrete, brick and steel, Glebeholme and Wolverleigh Blvds. $175,000.

BIDS DESIRED

N. Y., New York—Apartment—M. B. Jennings, c/o J. E. R. Carpenter, archt. and engr., 598 Madison Ave., 14 story, 100 x 150 ft., brick, steel and stone, plain foundation, 36th St. and 5th Ave. $700,000. Work will be done by separate contracts under supervision of architect.

N. Y., New York—Bank—June 10, by C. W. Brazer, archt. and engr., 1133 Bway., brick, steel and stone, plain foundation, Bowery, for Citizens Savings Bank, 58 Bowery. $400,000. Noted April 6.

N. Y., New York—Hotel—Shelton Holding Corp., 261 Lexington Ave., 30 story, brick, steel and stone, plain foundation, Lexington Ave. between 48th and 49th Sts. $4,000,000. Work will be done by separate contract under supervision of owner. A. L. Harmon, 27 East 40th St., archt. and engr. Noted May 11.

N. Y., New York—Office, etc.—June 8, by Lockwood, Greene & Co., archts. and engrs., 101 Park Ave., 7 story, office and printing plant, brick, steel and concrete, plain foundation, 219 West 40th St., for New York Tribune, Inc., 154 Nassau St. $500,000. Noted April 20.

N. Y., New York—Office and Store—Leroy Bros., c/o Sommerfeld & Steckler, archts. and engrs., 31 Union Sq., will build brick, steel and stone, plain foundation, 1370 Bway. $700,000. Work will be done by separate contracts under supervision of architects.

N. Y., New York—Theatre—H. Stursburg Realty Co., c/o E. De Rosa, archt. and engr., 110 West 40th St., 3 story, brick, steel and stone, plain foundation, Willis Ave. and 138th St. $300,000. Work will be done by separate contracts. Noted May 4.

Pa., Leechburg—High School—June 19, by W. G. Eckles, archt., New Castle, 3 story, brick and steel. $250,000. Noted April 6.

Pa., McKees Rocks—School—June 3, by J. H. Phillips, archt., Fulton Bldg., 3 story, 96 x 154 ft., May Ave., for Bd. Educ. $150,000.

Pa., Phila.—High School—June 8, by Bd. Educ., 19th and Chestnut Sts., 2 story, 183 x 290 ft. brick, steel and granite, plain foundation, Gates St. and Ridge Ave. $500,000.

Pa., Phila.—Office—Ballinger Co., archts., 12th and Chestnut Sts., receiving bids 4 story, 100 x 143 ft. brick, steel and stone, plain foundation, Broad and Lehigh Sts., for Traylor Eng. Co., Broad and Lehigh Sts. $300,000.

Pa., Waynesburg—Store and Office—Long & Co., Uniontown, will build 2 story, 60 x 180 ft., Main St., here. $150,000. Work will be done by separate contract. H. W. Altman, Fayette Title & Trust Bldg., Uniontown, archt.

D. C., Wash.—Crypt—Maginnis & Walsh, archts., 100 Boylston St., Boston, Mass., soon take bids for crypt on University grounds, for Catholic University, Brookland. $5,000,000. Noted November 25, 1920.

N. C., Thomasville—High School—June 19, by J. R. Meyers, chn. School Bd., constructing high school. $175,000. H. J. Simmonds, Greensboro, archt.

O., Cleveland—Bank, Office and Apartment—Dennison & Hirons, archts., Prospect 4th Bldg., taking bids and opens same about June 10, 8 story, 69 x 120 ft., brick, and steel, plain foundation, East 79th St. and Euclid Ave., for Seventy-Twenty Euclid Co., c/o architects. $300,000.

O., Cleveland—Commercial and Apartment—J. P. Stotter, 4319 Superior Ave., taking bids and opens same about June 5, 4 story, 100 x 220 ft., brick and steel, plain foundation, East Blvd. and Superior Ave. $200,000. S. H. White, Schofield Bldg., archt. Noted March 30.

O., Cleveland—Commercial and Theatre—Waldwan-Fuller-Jones Co., Bulkley Bldg., taking bids and opens same about June 10, 1 story, 100 x 130 ft., brick and steel, Union Ave. and Kinsman Rd. $150,000. J. L. Weinberg, 3226 Euclid Ave., archt.

O., Columbus—High School—June 16, by E. L. McCune, clk. Bd. Educ., High and Town Sts., Washington Gladden High School, 2 story, 278 x 327 ft., brick, concrete, steel and Indiana limestone, Arcadia Ave. $870,000. F. L. Packard, New Hayden Bldg., archt. Noted May 18.

O., Columbus—High School—June 16, by E. L. McCune, clk. Bd. Educ., High and Town Sts., Edward Orten High School, 3 story, 200 x 400 ft., brick, stone and concrete, along Scioto River. $1,000,000. W. B. Ittner, 9th and Locust Sts., St. Louis, Mo., archt.

O., East Cleveland (Cleveland P. O.)—Commercial—Eucor Co., c/o F. S. Jones, 820 Guardian Bldg., Cleveland, taking bids and opens same about June 5, 2 story, 200 x 200 ft., brick and steel, Superior and Euclid Aves. $200,000. Former bids rejected. Cavanaugh & Baer, 2721 Prospect Ave., Cleveland, archts. Noted March 30.

O., Grandview Heights (Columbus P. O.)—High School—June 20, by D. S. Field, clk. Bd. Educ., 2 story, 150 x 175 ft., brick and concrete. $245,000. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt.

O., Rocky River—School—June 8, by Bd. Educ., altering and 2 story brick, steel and concrete additions to Wooster and Beach Schools. $225,000. W. H. Nicklas, 1900 Euclid Ave., Cleveland, archt.

Wis., Manitowoc—High School—June 15, by Bd. Educ., 3 story, 240 x 419 ft., brick and rein.-con., plain foundation. $400,000. Perkins, Fellows & Hamilton, Tower Court, Chicago, Engrs. Noted May 18.

Wis., Milwaukee—Store and Office—Backes & Pfaller, archts., 216 West Water St., taking bids 3 story, 100 x 150 ft., brick and concrete, plain foundation, 6th and Sycamore Sts., for Zingen & Braun, 548 12th St. $150,000. Former bids rejected. Noted March 30.

Buildings (Continued)

Ia., Maquoketa—High School—June 5, Bd. Educ., 2 story, rein.-con., brick, tile and stone. $200,000. A. H. Ebeling, 819 Kahl Bldg., Davenport, archt. Noted Jan. 26.

Minn., St. Paul—Waiting Room—See "Miscellaneous."

Neb., Lincoln—Capitol—June 14, (change of date), by S. McKelvie, chn. State Capitol Comn., State Capitol Bldg., constructing superstructure of first section of capitol. G. E. Johnson, secy. B. G. Goodhue, 2 West 47th St., New York, archt. Noted May 11.

Ont., London—University—Western University Governors take bids about June 17, main and science buildings, 2 story, 90 x 300 ft. and 85 x 200 ft., concrete, brick and steel, North London. $1,000,000. Prices wanted on all materials. J. M. Moore, 489 Richmond St., archt. Noted March 2.

Ont., Toronto—Collegiate—June 7, by Bd. Educ., 155 College St., 3 story, 100 x 276 ft. rein.-con., brick and steel, Jarvis St. $350,000. W. W. Pearse, 155 College St., archt.

BIDS RECEIVED

O., Cleveland—High School—Bd. Educ., East 6th St. and Rockwell Ave., opened bids May 15, 3 story, brick, concrete and steel addition, Scranton Rd., and Castle Ave., from Schirmer-O-Hara Co., 2031 Euclid Ave., $374,796; W. Moore Co., 1274 West 4th St., $375,000. Noted May 4.

O., Dayton—School—Bd. Educ., Cooper Bldg., opened bids May 18, general contract 2 story, 80 x 120 ft., brick and rein.-con. addition, Albany St., from H. R. Blagg Co., 1229 East 3rd St., $113,980, J. F. Weber Co., Dayton, $114,323, Industrial Building Co., 757 Reibold Bldg., $124,700; plumbing and heating work, from Vehorn & Osterfield, 407 South Main St., $31,962. Noted April 27.

CONTRACTS AWARDED

Mass., Boston — Mercantile — Traders Building Trust, 18 Tremont St., 11 story, rein.-con., brick and steel, plain foundation, Kneeland St., to Snider, Druker & Rudnik, 18 Tremont St. $500,000. Noted May 25.

Mass., Palmer—High School—C. H. Hobson, chn. High School Com., 2 story, 100 x 150 ft. brick and steel, plain foundation, Main St., to H. P. Cummings Constr. Co., 14 Prospect St., Ware. Noted May 25.

Mass., Wellesley (Boston P. O.) — Alumnae—Wellesley College Alumni Assn., 201 Devonshire St., Boston, 4 story, 120 x 160 ft. brick, steel and stone, plain foundation, to J. W. Bishop Co., 109 Foster St., Worcester, $300,000.

N. Y., Bay Shore—Hospital—South Side Hospital, 4 story, 100 x 100 ft., brick, steel and stone, to W. L. Crow Constr. Co., 103 Park Ave., New York. Noted April 27.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, P. S. 135, 5 story, brick, steel and stone, plain foundation, Linden Ave., here, to J. MacArthur Co., 22 Ormond Pl., $422,941. Noted May 24.

N. Y., Buffalo—Athletic Club—Ellicott Club, c/o R. Kent, pres., Dun Bldg., 12 story, 116 x 253 ft., brick and steel, to J. W. Cowper Co., Fidelity Bldg., $1,500,000.

N. Y., Elmira—Bank—Elmira Savings Bank, general contract altering 1 story, 27 x 75 ft., 218 East Water St., to Simons, Brittain & English, 336 4th Ave., Pittsburgh, Pa. Total cost $165,000. Noted. Dec. 15.

N. Y., Jamestown — Theatre — Mozart Amusement Co., 313 North Main St., general contract 1 story, 88 x 125 ft., fireproof construction, 3rd and Spring Sts., to Mullen, Guinnane & Ludwig, 303 North Main St. Noted Dec. 1.

N. Y., Medina—High School—Bd. Educ., general contract 3 story, 180 x 200 ft., Catherine St., to Snyder-Gillett Contg. Co., Gillett Court, Niagara Falls, $264,840. Noted March 23.

N. Y., New York—Church—Third Church of Christ Scientist, Park Ave. and 63rd St., 2 story, 100 x 100 ft., brick, steel and stone, Park Ave., to J. T. Woodruff & Son, 1 Bridge Pl., Long Island City, $250,000. Noted May 4.

N. Y., New York—Hospital—F. Y. Joannes, archt. and engr., 16 East 40th St., brick and stone memorial hospital, Dyckman St., to J. S. Hyers Co., Inc., 13 West 30th St., for Bronx Jewish Memorial Hospital. Noted May 11.

N. Y., New York—Library—New York Pub. Library, 5th Ave., 2 story, 60 x 120 ft., brick and stone, plain foundation, Bainbridge Ave., to W. L. Crow Constr. Co., 103 Park Ave., $200,000.

N. J., Nutley—Office—See "Industrial Works."

N. J., Ridgewood—Church and Sunday School—C. H. Gillespie, archt. and engr., 1123 Bway., New York, 3 story, brick, steel and stone, plain foundation, Franklin Ave., here, to Carleton Constr. Co., Inc., 151 West 42nd St., New York, for West Side Presbyterian Church, c/o architect. Noted April 13.

N. J., Roselle — School — Bd. Educ., 2 story, to H. Wilhelms Sons, Inc., 803 East Jersey St., Elizabeth, $180,000.

Pa., Maxwell—School—J. H. Harmon, archt., Fayette Tile & Trust Bldg., Uniontown, 2 story, 65 x 100 ft., to Republic Constr. Co., Republic, for Luzerne Twp. Bd. Educ. $150,000. Noted May 4.

Pa., McKeesport—Store and Office—J. A. Donahue, 421 Smithfield St., Pittsburgh, 2 story, 62 x 80 ft., to Blair & Mack, 1409 Library St., $200,000.

Pa., Newton Square—Home, etc.—C. W. Brazer, archt., Chester, 3 story, 30 x 280 ft. home and 26 x 40 ft. power house and laundry, rein.-con., brick and steel, plain foundation, for Dunwoody Home, here, to Barclay & White Co., 1713 Sansom St., Phila., $300,000. Noted March 30.

Pa., Phila.—Church—Heacock & Hoakenson, archts., Bailey Bldg., 2 story, 90 x 100 ft. brick, steel and stone, plain foundation, 16th and Master Sts., to F. B. Davis & Sons, 240 North 16th St., for Calvin Presbyterian Church, 16th and Master Sts. To exceed $150,000. Noted May 4.

Pa., Phila.—Office—Roop & Baschore, % Weber & Wurster, archts., Morris Bldg., 15 story, 69 x 163 ft., brick and steel, concrete pile foundation. 1015 Chestnut St., to P. H. Kelly Co., 1713 Sansom St., $2,500,000.

N. C., Carthage—Court House—Moore Co., erecting and completing court house, to J. W. Stout & Co., Sanford, $133,538. Noted March 16.

N. C., Marion—Court House—Bd. Comrs. McDowell Co., constructing 3 story, general contract to Southern Ferro Concrete Co., Trust Co. of Georgia Bldg., Atlanta, Ga., $124,000. Noted May 4.

Ky., Benham—Store and Theatre—Wisconsin Steel Co., East 107th St., Chicago, store and theatre building, here, to Aberthaw Constr. Co., Forsyth Bldg., Atlanta, Ga., $300,000.

O., Cleveland—Apartment—A. H. Oyer, Bangor Bldg., 4 story, 44 x 185 ft., brick and timber, 2064 East 96th St., to J. Miller, 2381 East 46th St., $175,000. Noted April 27.

O., Cleveland—Bank and Office—Union Trust Co., Citizens Bldg., 21 story, 147 x 258 ft., brick, steel and concrete, concrete pile foundation, East 9th St. and Euclid Ave., to Thompson-Starrett Co., 175 Jackson Blvd., Chicago. $10,000,000. Noted Jan. 26.

O., Cleveland—Dance Hall, etc.—Gordon Park Gardens Co., c/o M. S. Koblitz, 1104 Prospect Ave., 2 story, 90 x 132 ft., brick and steel dance hall, bath house and roller rink, foot of East 72nd St., to W. Dunbar Co., 3201 Cedar Ave., $150,000.

O., Massillon—Bank and Office—First Natl. Bank, 6 story, 60 x 90 ft., brick, steel and concrete, plain foundation, to A. F. Wendling Co., Massillon. Noted March 30.

O., Middletown—Y. M. C. A., 5 story, brick, stone and concrete, to Caldwell-Iseminger Co., c/o J. Lowes, Schwind Bldg., Dayton, $500,000. Noted March 16.

Ill., Chicago—Apartment—H. F. Bloomfield, 411 South Wells St., three 3 story, 100 x 150 ft., rein.-con., brick and steel, 7231-59 Phillips Ave., to Lindquist Constr. Co., 5441 Haddon Ave., $500,000.

Ill., Chicago—Church—Sixteenth Church of Christ Scientist, 1740 Greenleaf Ave., 2 story, 86 x 129 ft., rein.-con., brick and steel, 1540-48 Kenilworth Ave., to W. F. Peterson Co., 118 North La Salle St., $250,000.

Ill., Chicago—Hotel—Lake Shore Drive Hotel Building Corp., c/o Fugard & Knapp, archts., 64 East Van Buren St., 19 story, 120 x 210 ft., rein.-con. brick and steel, Lake Shore Dr. and Walton Pl., to McLennon Constr. Co., 400 North Michigan Ave., $3,000,000.

Wis., Milwaukee—Apartment—The Wisconsin Bond & Mortgage Co., 440 Bway., 3 story, 50 x 127 ft., brick and concrete, plain foundation, Marshall St., to R. L. Reisinger & Co., 464 Oakland Ave., $150,000.

Wis., Milwaukee—Club House and Commercial—North Ave. Development Assn., 2425 North Ave., 3 story, 60 x 120 ft., brick and concrete, plain foundation, North Ave., to T. Stark & Co., 130 Muskego Ave, $150,000.

Wis., Superior—Grade School—Bd. Educ., City Hall, general contract, 2 story, 100 x 160 ft., steel, brick and tile, Anthony Ave. on 2nd St., to Jensen & Campbell, 54th Ave. on Butler St., $133,945.

Wis., West Milwaukee (Milwaukee P. O.) —School—School Dist. 12, 2 story, brick, tile and concrete addition, plain foundation, Beloit Rd., to Kroening Constr. Co., 39th Ave. and Mitchell St., Milwaukee, $107,080. Noted April 20.

Minn., Hibbing—High School—Bd. Educ., 3 story fireproof addition to High School, to Jacobson Bros., 410 Columbia Bldg., Duluth, $679,700.

Kan., Rosedale—Hospital—R. L. Gamble, 1415 Fillmore St., 4 story, 148 x 164 ft. with 8 x 40 ft. extension, brick, stone and rein.-con., 39th St. and Rainbow Blvd., to Pratt-Thompson Constr. Co., 500 Republic Bldg., Kansas City, Mo., $350,000. Noted May 4.

Tex., Dallas—Schools—Bd. Educ., general contracts 4 rein.-con. schools, to Hughes-O'Rourke Constr. Co., Praetorian Bldg., $370,036; heating and plumbing, to Hamilton Co., 2301 Griffin St., $55,962. Noted April 27.

Cal., Oakland—Bank—Commercial Trust and Savings Bank, altering 5 story, Bway. near 17th St., to W. Knowles, Central Bank Bldg., Oakland, $150,000.

Cal., Oakland—Market and Store—E. N. Tapscott, 1st Savings Bank Bldg., 4 story, rein.-con., 19 St. and Bway., to MacDonald & Kahn, 130 Montgomery St., San Francisco, $175,000.

Cal., Stockton—School—Bd. Educ., 2 story, brick and concrete, (Victory School), general contract to O. H. Chain, Farmers and Merchants Bank Bldg., $136,713. Noted May 4.

Ont., Belleville—School—Bd. Educ., 2 story, 93 x 133 ft. concrete, brick and steel, general contract to T. Manley & Sons, 65 St. Charles St.; plumbing, heating and ventilating, to Howe & Haggerman, 191 Front St., total $175,000.

Ont., St. Catharine—School—Bd. Educ., 3 story, 175 x 313 ft. concrete, brick, steel and stone, general contract to Yates Constr. Co., 17 Main St. E., Hamilton, $421,000.

Que., St. Hyacinthe—Hospital—Sisters of Charity, Hotel Dieu, new hospital, to J. A. Durocher, 291 Chambley St., Montreal, $800,000.

Cal., San Francisco—School—City and San Francisco Co., Pacific Heights School, general contract to C. L. Wold, 40 Montgomery St., $178,000; lath and plastering, to J. F. Smith, 273 Minna St., $44,800. Noted May 11.

Ont., Scarboro — High School — High School Bd., 2 story, 8 room, rein.-con., brick and steel, St. Clair Ave., to Carswell Constr. Co., 58 Wellington St. E., Toronto, $160,000.

Federal Government Work

PROPOSED WORK

Pa., McKees Rocks—Post Office—Treas. Dept., Wash., D. C., plans 1½ story, 80 x 120 ft., here. J. A. Wetmore, acting superv. archt.

Va., Ft. Monroe—Repairs—Constructing Quartermaster, soon takes bids for repairs to Big Bethel Rd. Bridge.

Ga., Ft. Benning—Addition—Constructing Quatermaster soon takes bids Post Office addition.

BIDS DESIRED

Mass., Boston—Metal Roof—June 7, at office of Constructing Quartermaster, Army Base, Boston, replacing metal roof on press shop, at Watertown Arsenal; adv. this issue.

N. Y., New York—Steel Trusses, etc.—June 12, at office Constructing Quartermaster, Room 510, 39 Whitehall St., steel trusses and roof over bake shop at Mitchel Field, Long Island; adv. this issue.

N. Y., Rosebank—Quarters—June 14, by Treas. Dept., Wash., D. C., officers quarters, here.

N. Y., Sayville—Heating System—Spec. 4578—June 14, by Bureau Yards & Docks, Navy Dept., Wash., D. C., central heating plant system, here. Noted Jan. 26.

Pa., Phila.—Underpinning Storehouse—Spec. 4628—June 12, at office of Pub. Wks. Officer, Fourth Naval Dist., Navy Yard, Phila., underpinning foundation of aircraft storehouse, Naval Aircraft Factory, League Island, here; adv. this issue. Noted May 4.

D. C., Wash.—School—June 27, at office Constructing Quartermaster, 2306 Munitions Bldg., 19th and B Sts., construction of Army Medical School; adv. this issue.

Federal Government Work (Continued)

Va., Ft. Myer—Lighting System—June 13, by Constructing Quartermaster, Munitions Bldg., 19th and B Sts., Wash., D. C., repairing electric lighting system, here; adv. this issue.

Va., Norfolk—Roads and Walks—Spec. 4642—June 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., roads and walks at Naval Hospital, here. Noted May 25.

Fla., Pensacola—Water Front Development — Spec. 4644 — June 14 by Bureau Yards & Docks, Navy Dept., Wash., D. C., water front development, here. Noted May 25.

Fla., Pensacola — Wells — Spec. 4626 — June 14 by Bureau Yards & Docks, Navy Dept., Wash., D. C., new wells for water supply, here. Noted May 4.

Ala., Tuskegee—Boiler Plant, etc.—June 22, by Treas. Dept., Wash., D. C., boiler plant, (except building and smoke stack), outside heating, electric, water and sewer services, deep wells, pumping plant and water supply systems, and sewage, disposal plant, at U. S. Veterans Hospital, here. J. A. Wetmore, acting superv. archt.

Ind., Ft. Benjamin Harrison—Hangars—June 23, at office Constructing Quartermaster, 2 steel hangars; adv. this issue.

Ariz., Prescott—Light, Power and Telephone Systems—June 15, by Treas. Dept., Wash., D. C., electric light, power and telephone systems, in U. S. Veterans Hospital, here. J. A. Wetmore, acting superv. archt.

Ariz., Tucson—Disposal Plant—June 20, by Treas. Dept., Wash., D. C., sewage disposal plant at U. S. Veterans Hospital, here. J. A. Wetmore, acting superv. archt.

Cal., San Diego—Bulkhead Extension—Spec. 4651—June 14 by Bureau Yards & Docks, Navy Dept., Wash., D. C., extension concrete bulkhead, here.

Cal., San Diego—Dolphins, etc.—Spec. 4624—June 14 by Bureau Yards & Docks, Navy Dept., Wash., D. C., mooring dolphins and timber pier, at Destroyer Base, here. Noted May 4.

Cal., San Diego—Hangars, etc.—Spec. 4581—June 14 by Bureau Yards & Docks, Navy Dept., Wash., D. C., erection hangars, gas system, etc. Noted Feb. 23.

BIDS RECEIVED

N. Y., Jamestown—Extension to Workroom, etc.—Treas. Dept., Wash., D. C., extension to workroom and mailing vestibule, here, from G. E. Wright, Monadnock Bldg., Chicago, $21,920; Devault & Detrick, Canton, O., $23,192; Paddock & Nash, Jamestown, $25,300. Noted May 4.

Miss., Gulfport—Mechanical Equipment—Treas. Dept., Wash., D. C., mechanical equipment, in U. S. Veterans Hospital, here, from Noland-Clifford, 322 28th St., Newport News, Va., $49,497; O. Lindberg, South River, N. J., $51,234; Brooks-Fisher, Candler Bldg., Atlanta, Ga., $52,550. Noted May 11.

Mont., Billings—Partitions, etc.—Treas. Dept., Wash., D. C., partitions, etc., in U. S. Post Office, here, from F. Jacoby & Son, Billings, $6,621; J. H. Wiese, 5103 Cass St., Omaha, Neb., $7,800; B. J. Martin, 243 Wyoming Ave., $7,889. Noted April 27.

CONTRACTS AWARDED

R. I., Providence—Dredging—U. S. Engineer, dredging in harbor at Block Island, to J. S. Packard Dredging Co., 1004 Turks Head Bldg., $4,318.

N. Y., Hoffman Island—Boiler House, etc.—Treas. Dept., Wash., D. C., boiler house, at U. S. Quarantine, here, to M. Serretto, 3 Tremont Row, Boston, Mass., $23,230; mechanical equipment for same, to Jaehnig & Peoples, 221 13th Ave., Newark, N. J., $20,555; smoke stack, to H. R. Heinicke, Inc., 147 4th Ave., New York, $9,990. Noted April 20.

Pa., Phila.—Repairing Dike—U. S. Engineer, 815 Witherspoon Bldg., repairing earth dike at Old Man Point, N. J., to Delaware Dredge Co., Colonial Trust Bldg., $9,900.

Del., Wilmington—Pumping Unit—U. S. Engineer, centrifugal pumping unit for Chesapeake Dike Canal to Fairbanks, Morse & Co., Inc., 115 Lombard St., Baltimore, Md., $31,964.

D. C., Bellevue—Piping—Spec. 4544—Bureau Yards & Docks, Navy Dept., Wash., D. C., circulating water suction and discharge piping at Naval Experimental and Research Laboratory, here, to Newport News Contg. and Eng. Co., Law Bldg., Newport News, Va., $11,689 (150 days). Noted May 18.

Mich., Detroit—Dike—U. S. Engineer, Detroit, dike in St. Marys River, to Detroit Dike Constr. Co., Detroit, and Dike at Sault Ste. Marie, to Great Lakes Dredge and Dock Co., 104 South Michigan Ave., Chicago, total award $31,521.

Alaska, Nenana—Bridge—Alaskan Eng. Comn., Bell St. Terminal, Seattle, Wash., steel bridge over Tanana River, near here, 700 ft. main span, 65 ft. girder span, 120 ft. deck span, viaduct composed of four 30 ft. towers and tower girder, and five 60 ft. girder spans, alternating with tower girders, to U. S. Steel Products Co., 4th St. and Connecticut Ave., Seattle, Wash., $381,398. Noted March 17.

Miscellaneous

PROPOSED WORK

Gas Line—Buffalo, N. Y.—Iroquois Natural Gas Co., Iroquois Bldg., plans 16 mi. pipe line from here to well near Dunkirk. To exceed $25,000.

Grandstand and Pavilion—Buffalo, N. Y.—Dept. Pub. Wks. & Buildings, Municipal Bldg., plans new grandstand and pavilion at Riverside Park. $75,000. A. Dailey, city engr.

Telephone Lines—Potsdam, N. Y.—Mountain Home Telephone Co. plans extension of pole lines. $25,000. Address J. Arquitt, c/o owner.

Distribution System—Rochester, N. Y.—Rochester Gas & Electric Corp., Clinton Ave., N., plans to extend high tension transmission system to North Chili. $25,000.

Pipe Line—Browder, Ky.—White Oak Fuel Co. plans 9 mi. pipe line from here to Rochester. $25,000. Engineer not announced.

Steam Heating Plant, etc.—Gillett, Wis.—Bd. Educ., c/o H. Kaster, plans new steam heating plant and 200 hp. boiler in high school. $60,000. Engineer not selected.

Tractor and Road Maintainer—Jamestown, N. D.—Plans to purchase one tractor and road maintainer. C. E. McElroy, clk.

Concentrator — Morenci, Ariz. — Phelps-Dodge Corp., 99 John St., New York, plans remodeling concentrator, here, increasing capacity 1,000 ton daily. $600,000. Engineer not announced.

Street Cleaning Apparatus, etc.—Dinuba, Cal.—Voted $500,000 bonds to purchase street cleaning apparatus; $15,000 bonds for fire appartus; $20,000 bonds for city hall; $35,000 bonds for park improvements; also bonds to finance improvements to water system. Noted May 18.

Tunnell—San Francisco, Cal.—City and San Francisco Co. had preliminary plans prepared for 4,230 ft. tunnel, 20 ft. wide, 18 ft. 9 in. high, double tracked for Municipal Ry. $1,700,000. M. M. O'Shaughnessy, city engr.

Paving Plant—Brockville, Ont.—Soon receives bids street construction plant. $30,000. Address G. W. Warwick, Brockville.

Transmission Line—Cobalt, Ont.—Northern Light & Power Co., Cobalt, plans transmission line from here to Haileybury. $30,000. Prices wanted on equipment.

Gas Line—Inglehard, Ont.—Dover Oil Co., Home Bank Bldg., Hamilton, plans to drill well and build gas line here. $35,000. Prices wanted on equipment.

Transmission Line—Thessalon, Ont.—See "Industrial Works."

BIDS DESIRED

Dock, etc.—Troy, N. Y.—June 29, by Harbor & Dock Comn., City Hall, constructing dock wall also improving and regulating river and dock front. J. C. Watts, engr.; adv. this issue.

Dumping Platform and Ramp—New York, N. Y.—June 7, by J. H. Delaney, comr. Docks, Pier "A" foot of Battery Pl., North River, rein.-con. dumping platform and ramp on pier at East 35th St., Contr. 1773.

Elimination of Grade Crossings—Buffalo, N. Y.—June 9, by Grade Crossing Comn., 436 Ellicott Sq., constructing road bed and all track work in connection with elimination of grade crossings at intersection of Niagara Falls branch of Erie R.R., East Ferry St. and East Delevan Ave., also superstructures of bridges over East Ferry St., East Delavan Ave., Erie R.R., and Delaware, Lackawanna & Western R.R. crossings. E. B. Guthrie, 436 Ellicott Sq., engr.

Marginal Wharf—Camden, N. J.—June 23, at Room 11, City Hall, 200 ft. concrete and timber marginal wharf along north line of Walnut St. G. W. Bradley, chn. harbor comn.; adv. this issue.

Heating System—Altoona, Pa.—June 12, by Bd. Directors School Dist., vacuum steam heating system in high school, also new ventilating, steam heat and force air warming systems in Lincoln and Emerson Schools. $40,000. W. Eberle, pres. Shevlin Eng. Co., 110 West 34th St., New York, engrs.

Lighting System—South Norfolk (Norfolk P. O.), **Va.**—June 5, at office F. L. Rowland, mayor, lighting system, incl., poles, cables, etc. G. H. Massey, McKevitt Bldg., city engr.

Transmission Line, etc.—Middlesex, N. C.—June 5, by Towns of Middlesex and Bailey, constructing 19 mi. of 13,000 volt, 3 phase transmission line, 3 substations and local distribution systems including street lights. L. H. Couch, Middlesex, engr.

Road Roller—Appleton, Wis.—June 7, by E. L. Williams, city clk., one 8 to 10 ton steam or gas road roller.

Electric Distribution and Lighting System—Ada, Minn.—June 7, by A. O. Guren, city clk., electric distribution and lighting system. $25,000. C. L. Pillsbury Co., 1200 2nd Ave. S., Minneapolis, engrs. Noted Feb. 9.

Dump Wagons—Milwaukee, Minn.—Hathaway Constr. Co., 307 Grand Ave., in market for 3 dump wagons.

Elevation of Grade Crossings—St. Paul, Minn.—June 14, by St. Paul Union Depot Co., 4th and Sibley Sts., for portion of work in connection with elevation of grade crossing, incl. concrete structures, filling, extension to waiting room in depot, street subway, retaining wall, small engine terminal, new tracks, change in Robert St. steel bridge (city-owned) over Mississippi River, raising of Chicago Great Western R.R. bridge (steel lift) over river, etc. $4,000,000. W. C. Armstrong, c/o owner, ch. engr.

Paving Materials—St. Paul, Minn.—June 5, by H. W. Austin, city purch. agt., paving materials for paving east and west alley in block 6, Terrace Park addition, 336 bbl. portland cement, 196 cu.yd. crushed rock, 151 cu. yd. screened sand; alley in Union Park and Hinkels Amendment, and Hinkels Third Amendment, 177 bbl. portland cement, 103 cu.yd. crushed rock, 80 cu.yd. screened sand; alley in block 29, Summit Park addition, 227 bbl. portland cement, 161 cu.yd. crushed rock, 125 cu.yd. screened sand. O. Claussen, city engr.

Road Machinery—Fargo, N. D.—Cass Co. receiving prices on all kinds of road machinery. W. R. Tucker, co. aud.

CONTRACTS AWARDED

Pier Shed—Portland, Me.—Dirs. Port of Portland, 60 x 305 ft. pier shed, structural steel, to Aberthaw Constr. Co., Boston, Mass., $41,000.

Station—Long Island City, N. Y.—Transit Comn., 49 Lafayette St., New York, lengthening Jackson Ave. Station and construction new entrances to same, a part of Queensboro Rapid Transit R.R., here, to Joslin Constr. Co., 354 West 24th St., New York, $384,000. Noted May 18.

Asphalt Wearing Surface Sand—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., furnishing and delivering 10,000 cu.yd. asphalt wearing surface sand, Grade B, to G. A. Colgan, 26 Court St., Brooklyn, $1.10 per cu.yd. Noted May 25.

Bulkhead—New York, N. Y.—Comr. Docks & Ferries, Pier "A" North River, repairing bulkhead in vicinity of West 98th St., etc., to Stander & Solow, Inc., 118 East 28th St., $17,750. Noted May 18.

Track Materials — New York, N. Y. — Transit Comn., 49 Lafayette St., supplying track materials (Order No. 5), to Dilworth-Porter & Co., 4th St., Pittsburgh, Pa., $25,653; special work for use in construction of parts of 14th St. Eastern and Bway.-4th Ave. Rapid Transit R.R., (Order No. 21), to Ranato Iron Wks., 30 Church St., $29,214; inspection shed for White Plains Rd. Rapid Transit R.R., and signal tower incl. compressor room in Livonia Ave. Yard, Brooklyn, to Rosenthal Eng. & Contg. Co., 228 Jackson Ave., Long Island City, $268,000 and $8,800 respectively. Noted May 4.

Cement Sidewalk Tile—St. Paul, Minn.—For 12,000 more or less, 24 in. and 6,000 more or less, 18 in. cement sidewalk tile, to St. Paul Cement Wks., 34 East 4th St., $.33 and $.24 respectively. Noted April 20.

Paving Blocks—St. Paul, Minn.—For 40,000 vitr. repressed paving blocks, 3½ x 4 x 8½, to P. G. Speakes Co., 2845 2nd Ave. S., Minneapolis. $48.75 per M.

Road Oil—St. Paul, Minn.—For 750,000 gal. road oil for Dept. Pub. Wks., and 20,000 gal. for Dept. Parks, Playgrounds and Pub. Bldgs., to Minnesota Road Equipment Co., 427 Plymouth Bldg., Minneapolis, $.0694 and $.0654 per gal. respectively. Noted May 4.